### FINAL ANNUAL SUMMARY GROUNDWATER MONITORING REPORT – 2005

Underground Storage Tank Site 2459 Marine Corps Base Camp Pendleton, California Project Number 102910

Document Control Number EAR-0007 Revision 0

January 15, 2006

#### Submitted to:



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#### Acronyms and Abbreviations\_

BTEX benzene, toluene, ethylbenzene, and total xylenes CA LUFT California Leaking Underground Fuel Tank

CAP Corrective Action Plan
DON U.S. Department of the Navy

EPA U.S. Environmental Protection Agency

ft/ft feet per foot (or foot per foot)

MCB Marine Corps Base
mg/kg milligrams per kilogram
mg/L milligrams per liter

NTUs nephelometric turbidity units
OHM OHM Remediation Services Corp.
ORC® oxygenated release compound

RWQCB California Regional Water Quality Control Board

SWDIV Southwest Division Naval Facilities Engineering Command

TPH total petroleum hydrocarbons UST underground storage tank micrograms per liter

#### 1.0 Introduction

This *Final Annual Summary Groundwater Monitoring Report* – 2005 for the Underground Storage Tank (UST) Site 2459 at Marine Corps Base (MCB) Camp Pendleton, California, was prepared by Shaw Environmental, Inc. for EAR Engineering, Construction & Support Services, Riverside, California for submittal to the U.S. Department of the Navy (DON). The report describes quarterly monitoring events conducted during February/March, April, August, and October/November 2005. Groundwater sampling and associated reporting activities were performed under a Shaw Environmental, Inc. Professional Services Agreement with EAR Engineering, Construction & Support Services.

This report was prepared in accordance with direction from the DON and recommendations by the California Regional Water Quality Control Board (RWQCB), San Diego Region. The quarterly groundwater sampling was performed in accordance with the Sampling and Analysis Plan (Southwest Division Naval Facilities Engineering Command [SWDIV], 2003) and the *Site Assessment and Mitigation Manual* prepared by the County of San Diego (San Diego County, 2004).

#### 1.1 Scope of Work

Quarterly groundwater monitoring and reporting are included in the scope of work developed by the DON for the remediation of hydrocarbon-impacted soil and groundwater at UST Site 2459. Monitoring activities include measurement of water levels and collection and analysis of groundwater samples. Groundwater samples are analyzed for total petroleum hydrocarbons (TPH) as diesel; benzene, toluene, ethylbenzene, and total xylenes (BTEX); nitrate; sulfate; alkalinity; and methane. In addition to laboratory analyses of groundwater samples, dissolved oxygen concentrations, oxidation-reduction potential, and ferrous iron concentrations are measured in the field at the time of sampling.

#### 1.2 Site Background

MCB Camp Pendleton is located in northern San Diego County, California, and covers approximately 125,000 acres of land bordered on the west by the Pacific Ocean (Figure 1). UST Site 2459 is in the southeastern portion of MCB Camp Pendleton, approximately 8 miles northeast of the MCB Camp Pendleton Oceanside gate (Figure 1).

The project site is currently a parking lot adjacent to Building 2459 that houses the Base Telephone Exchange, and is located on Powder Magazine Road, approximately 1,100 feet east of Vandegrift Boulevard (Figure 2). The site is located within the Santa Margarita Groundwater Basin, approximately 0.75 mile southeast of the Santa Margarita River. Four drinking water supply

wells are located within 1 mile of the site: one well is located 0.75 mile to the southwest; one is 0.5 mile to the west; another is 0.75 mile to the northwest; and the last well is located 1 mile to the north.

Two USTs were formerly located northwest of Building 2459. The tanks, which had been used to store diesel fuel, were removed in 1994. Soil contamination was observed at the time of tank removal. A site assessment was conducted, in July and August 1995, to delineate the extent of contamination (Brown and Caldwell, 1996).

In March 1998, Shaw Environmental, Inc. installed three monitoring wells (OW-1, OW-2, and OW-3) and one air-sparging well (BS-1) to perform biosparge pilot testing at the site. Two additional groundwater monitoring wells (MW-4 and MW-5) were installed in the downgradient area of the site in July 1998. Construction details for the wells and the results of the sparge testing are presented in the Draft Corrective Action Plan (CAP) dated November 1998 (OHM Remediation Services Corp. [OHM], 1998).

A second air-sparging test well (BS-2) was installed in July 1998 and another pilot test was performed to assess additional biosparging as a potential remedial alternative. The final CAP was submitted in September 2000 (OHM, 2000) to the RWQCB and an alternative that included bioventing and biosparging was approved to remediate contaminated soil and groundwater at the site. A remediation system was subsequently constructed and system operation began in December 2000.

#### 2.0 Fluid Level Measurements and Groundwater Sampling

This section summarizes fluid level measurements from the first through fourth quarter groundwater sampling events conducted at UST Site 2459 during 2005.

#### 2.1 Fluid Level Measurements

Fluid levels were measured in the UST Site 2459 monitoring wells on February 28, April 26, August 22, and October 31, 2005. Fluid level measurements are summarized in Table 1 and are documented on the field data sheets presented in Appendix A. No free product has been observed in site wells since quarterly monitoring began in July 1998.

An oil-water interface probe, which was decontaminated before each use, was used to measure the depth from the top of each well casing to the top of groundwater. The depths to water were converted to elevations using surveyed top-of-casing elevations for each well, and groundwater elevation contour maps (Figures 3 through 6) were prepared using the four sets of quarterly fluid level measurements. Figure 7 shows trends in groundwater elevations at the site since July 1998.

#### 2.2 Wells Sampled, Sampling Methodology, and Analytical Results

Groundwater samples were collected from eight of the nine monitoring wells at UST Site 2459 during all four quarters in 2005. Sampling of MW-3 was discontinued after the second quarter 2000 because wells MW-4 and MW-5 were determined to be directly downgradient from the former USTs. Analytical results from all four quarterly sampling events of 2005 are summarized in Table 2 and are illustrated in Figure 8. Complete analytical laboratory reports are presented in Appendix B.

Each monitoring well was purged using a low-flow bladder pump lowered to the approximate midpoint of the well screen. Attached to the pump was a length of dual-bonded, Teflon<sup>TM</sup>-lined tubing and safety line sufficient to reach the surface. A compressor was attached to the end of the inlet tubing, and the outlet tubing drained into a waste collection tank. Purging proceeded until three successive and stable water-quality parameter measurements were observed in each well. Stabilization was determined electronically using a PurgeScan<sup>TM</sup> water-quality instrument.

Frequent water samples were collected during well purging and were tested for several parameters (pH, turbidity, specific conductance, temperature, oxidation-reduction potential, and dissolved oxygen) using calibrated field instruments. Readings and measurements collected at each well were recorded on groundwater sample collection logs, which are presented in Appendix A. Ferrous iron concentrations were measured using a portable field kit.

Groundwater samples were collected using the low-flow pump after the field instrument measurements stabilized. Samples were collected in containers that were appropriate for the analyses being requested. The sample containers were properly identified with labels completed using a waterproof marker, and the containers were then carefully placed on ice in a cooler for delivery to a California-certified, DON-approved laboratory.

The following variances from the groundwater monitoring plan occurred during the monitoring events for the first through fourth quarters of 2005:

- Turbidity exceeded 10 nephelometric turbidity units (NTUs) during the first quarter 2005 in well OW-1 and during the second quarter 2005 in wells OW-1 and RW-1. The sampling team was unable to achieve 10 NTUs prior to sample collection, as measured by a calibrated turbidity meter. The flow rate was adjusted and the other purge measurements were monitored. When it was determined that the other parameters were stable, the samples were collected.
- The drawdown slightly exceeded the 0.3-foot limit established for performing micropurge sampling at the site during the first, second, third, and fourth quarter 2005 sampling of well MW-5. Adjustments were made to the flow rate and the drawdown was stabilized as much as possible. Samples were collected when the field parameters were stable.

The disposable pump bladder and the pump safety line were discarded and the wellhead was secured after each well was sampled. The water-level probe and bladder pump were decontaminated after each use. The dedicated Teflon<sup>TM</sup>-lined discharge tubing was placed in a clean plastic bag, labeled with the well identification, and properly stored. The sampling equipment was then moved to the next well location.

The purge water and decontamination water for both quarters were properly stored in a secured aboveground waste water storage tank located in 13 Area, and were eventually transported by vacuum truck for disposal at the Demenno Kerdoon facility in Compton, California.

The quarterly groundwater samples were analyzed for the following constituents in accordance with the specified method:

- TPH as diesel by California Leaking Underground Fuel Tank (CA LUFT) Method 8015 modified
- BTEX by U.S. Environmental Protection Agency (EPA) Method 8021B
- Nitrate/nitrite as nitrogen by EPA Method 353.3
- Sulfate by EPA Method 300.0

- Alkalinity by EPA Method 310.1
- Methane by Method RSK 175

Analytical results are summarized in Table 2. Concentrations of TPH as diesel and benzene for each monitoring well sampled are plotted in Figure 8. In addition to the laboratory samples, dissolved oxygen, oxidation-reduction potential, and ferrous iron were measured in the field. Field monitoring results are presented in Figure 9 and are summarized in Table 3.

#### 2.3 Groundwater Flow Direction and Contaminant Distribution

Groundwater conditions and the distribution of TPH as diesel and benzene in groundwater beneath the site, as observed during the four quarterly monitoring events of 2005, are described in this section. Water level data are shown in Figures 3 through 6 and are summarized in Table 1. Contaminant concentrations are shown in Figure 8 and are summarized in Table 2. Field monitoring results are shown in Figure 9 and are summarized in Table 3. Laboratory reports and chain-of-custody forms are presented in Appendix B.

Depth to groundwater beneath UST Site 2459 was measured in the site monitoring wells on February 28, April 26, August 22, and October 31, 2005 prior to sampling the wells. The measured depths were subtracted from the elevations of the tops of the well casings to determine the elevations of the groundwater surface, and groundwater elevation contour maps were prepared for each quarter (Figures 3 through 6). Trends in groundwater elevations beneath the site since July 1998 are shown on the hydrograph in Figure 7.

The groundwater elevations during the four quarterly monitoring events of 2005, in wells at UST Site 2459, ranged from approximately 76.82 to 79.52 feet. The difference between the highest and lowest groundwater levels in each well ranged from 1.54 to 1.91 feet and averaged 1.74 feet. The direction of groundwater flow was toward the southwest, with a hydraulic gradient beneath the site of 0.002 feet per foot (ft/ft) in February, 0.004 ft/ft in April, 0.002 ft/ft in August, and 0.003 ft/ft in October 2005.

None of the eight wells at the site contained free product during the four quarterly monitoring events of 2005. Free product has not been observed in any of the wells since quarterly monitoring began in July 1998. Laboratory analyses of groundwater samples (Table 2 and Figure 6) indicated that concentrations of TPH as diesel were detected in wells OW-1, OW-2, OW-3 and RW-1 during all four quarterly sampling events. TPH as diesel results were reported at less than the reporting limit for the remaining wells. Concentrations of TPH as diesel ranged from 0.53 to 3.61 milligrams per liter (mg/L) for site wells OW-1, OW-2, OW-3, and RW-1.

Benzene was detected at or above the reporting limit in well OW-2 during first and second quarterly sampling events. Concentrations of benzene ranged from 0.2J to 0.9 micrograms per liter ( $\mu$ g/L) for site well OW-2.

Summaries of historical laboratory analyses for UST Site 2459 are presented in Tables C-1 through C-3 of Appendix C. Per the project Sampling and Analysis Plan (SWDIV, 2003), third-party data validations were performed by The Data Validation Group, Inc. on 25 percent of the laboratory reports. The remaining laboratory reports were validated internally. Both the third-party and internal summary validation reports are provided in Appendix D.

Results were uploaded to Geotracker for the first and second quarter 2005 on June 8, 2005 (Confirmation numbers 7787221550, 1966610729, and 9222007036). Results for the third quarter 2005 were uploaded on October 26, 2005 (Confirmation numbers 1381553351 and 5657736420). Results for the fourth quarter 2005 were uploaded on December 15, 2005 (Confirmation numbers 2246112465 and 1142676353).

Concentrations of dissolved oxygen measured in the field at the time of groundwater sampling were slightly higher in the upgradient wells than in the groundwater wells that contain detectable concentrations of TPH as diesel (Figure 9), with the exception of well OW-3 during the first quarter. The oxygenated release compound (ORC®) socks were removed from wells OW-1, OW-2, and OW-3 two days prior to sampling. The oxidation-reduction potential appeared to be lower for the site and downgradient wells for the second quarter than in the first quarter. There was a general trend toward positive oxidation-reduction potential during third and fourth quarters 2005. The ferrous iron results are consistent (non-detect) throughout the site for all four quarters. The nitrate levels appear to be lower in the wells with detectable concentrations of TPH as diesel, when compared to the upgradient wells. A summary of historical field analyses for UST Site 2459 is presented in Table C-4 of Appendix C.

#### 3.0 Quality Assurance and Quality Control

Groundwater samples were collected and preserved in accordance with EPA and CA LUFT methods during all four quarterly monitoring events of 2005, and were delivered to the laboratory within 24 hours of sample collection. Applied Physics & Chemistry Laboratory of Chino, California (a state-certified laboratory) analyzed the groundwater samples within the analytical holding times.

Field duplicate samples were collected from wells MW-4 (102910-0206), OW-1 (102910-0123), and OW-2 (102910-0164). Duplicate samples are used to assess the accuracy, precision, and consistency of the sampling program. The analytical results for the duplicate samples correlated well with the results for the primary samples (102910-205, 102910-0122, and 102910-0163).

Six trip blank samples (102910-0120, 102910-0127, 102910-0160, 102910-199, 102910-218, and 102910-226) were transported with the groundwater samples and analyzed for BTEX. Trip blanks are used to determine whether cross-contamination by volatile organic compounds has occurred during transportation of the samples to the laboratory. BTEX compounds were detected at concentrations less than, and exceeding, the reporting limits in the trip blanks. However, due to detected levels of BTEX found in the method blanks, the reporting limits were raised during the data validation process and all results for BTEX in the trip blanks are reported as not detected for this report.

Six equipment rinsate samples (102910-0126, 102910-0132, 102910-0170, 102910-0209, 102910-0217, and 102910-0225) were collected and analyzed to assess the adequacy of equipment decontamination procedures. These samples were collected by pouring analyte-free water over the water-level probe after it was decontaminated. The samples were then analyzed for BTEX and TPH as diesel. TPH as diesel was not detected at concentrations exceeding reporting limits in the equipment rinsates. During the first two quarters of 2005, BTEX compounds were detected at concentrations less than, and exceeding, the reporting limits in the equipment rinsates. However, due to detected levels of BTEX found in the method blanks and trip blanks, the reporting limits were raised for most results during the data validation process. During the third quarter 2005, ethylbenzene was detected at a concentration of  $2.0 \,\mu \text{g/L}$  but did not affect the data since ethylbenzene was not detected in any other samples. BTEX compounds were not detected in the rinsate sample during fourth quarter 2005.

#### 4.0 Remediation System Progress

This section summarizes the progress of the remediation activities at UST Site 2459. A bioventing/biosparging system is operating at this site.

The bioventing/biosparging system consists of one bioventing well (RW-1) and one biosparging well (BS-2). Air has been injected exclusively into well BS-2 (for 3 to 16 hours per day) since system operation began in December 2000 to evaluate whether air injected into the saturated zone would also oxygenate the overlying unsaturated zone. ORC® socks were placed in wells OW-1, OW-2, and OW-3 in January 2004 and again in March 2005 for the purpose of increasing dissolved oxygen levels in groundwater in those areas.

As of November 2005, approximately 9,634 mg/kg of TPH has been degraded in the vadose zone. This represents approximately 40.14 percent of the total vadose zone contamination that needs to be degraded in order to achieve the soil cleanup goal of 10,000 milligrams per kilogram (mg/kg) TPH (Figure 10).

#### 5.0 Waste Management

The volumes of purged water and the decontamination water generated from monitoring wells at UST Site 2459 during the four quarters of 2005 were approximately 17, 9, 10, and 18 gallons, respectively. The water was stored in an aboveground wastewater storage tank located in the The purged groundwater and decontamination water from the first quarter were transported on April 18, 2005 (by Island Environmental Services to Demenno Kerdoon in Compton, California) for treatment and disposal under Uniform Hazardous Waste Manifest Number 23393597. The purged groundwater and decontamination water from the second quarter were transported on July 1, 2005 (by Island Environmental Services to Demenno Kerdoon in Compton, California) for treatment and disposal under Uniform Hazardous Waste Manifest Number 24430067. The purged groundwater and decontamination water from the third quarter were transported on September 29, 2005 (by Patriot Environmental Services to Demenno Kerdoon in Compton, California) for treatment and disposal under Uniform Hazardous Waste Manifest Number 24420791. The purged groundwater and decontamination water from the fourth quarter were transported on November 22, 2005 (by Patriot Environmental Services to Demenno Kerdoon in Compton, California) for treatment and disposal under Uniform Hazardous Waste Manifest Number 24798861. Copies of the waste manifests are presented in Appendix E.

#### 6.0 Conclusions

The groundwater elevations in wells at UST Site 2459 ranged from approximately 76.82 to 79.52 feet during the four quarterly monitoring events of 2005; the difference between the highest and lowest groundwater levels in each well ranged from 1.54 to 1.91 feet and averaged 1.74 feet. The direction of groundwater flow was toward the southwest, with a hydraulic gradient beneath the site ranging from 0.002 ft/ft to 0.004 ft/ft.

No free product was observed in any of the monitoring wells at UST Site 2459 during the four quarterly monitoring events of 2005, which is consistent with previous observations. Laboratory analyses show that groundwater beneath the area of the former tanks has been impacted by TPH as diesel. Well OW-3 contained the highest concentration of TPH as diesel during all four quarters of 2005 (3.08 mg/L, 3.31 mg/L, 2.59 mg/L, and 3.61 mg/L, respectively). No benzene was reported above the reporting limit in the wells, except for well OW-2. In Well OW-2, benzene was detected during the first quarter at a concentration of 0.9  $\mu$ g/L and during the third quarter at a concentration of 0.2J  $\mu$ g/L.

Concentrations of dissolved oxygen measured in the field at the time of groundwater sampling were slightly higher in the upgradient wells than in the groundwater wells that contain detectable concentrations of TPH as diesel (Figure 9), with the exception of well OW-3 during the first quarter. The ORC® socks were removed from wells OW-1, OW-2, and OW-3 two days prior to sampling. The oxidation-reduction potential appeared to be lower for the site and downgradient wells for the second quarter than in the first quarter. There was a trend toward positive oxidation-reduction potential during third and fourth quarters of 2005. The ferrous iron results were consistent (non-detect) throughout the site for all four quarters. The nitrate levels appear to be lower in the wells with detectable concentrations of TPH as diesel, when compared to the upgradient wells.

#### 7.0 References

Brown and Caldwell, 1996, Final Site Assessment Report, Underground Storage Tank Site 2459, Marine Corps Base Camp Pendleton, California, February.

OHM, see OHM Remediation Services Corp.

OHM Remediation Services Corp., 1998, *Draft Corrective Action Plan, Underground Storage Tank Site 2459, Marine Corps Base Camp Pendleton, California*, November.

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San Diego County, 2004, *Site Assessment and Mitigation Manual*, Department of Environmental Health, February 18.

Southwest Division, Naval Facilities Engineering Command, 2003, *Draft Sampling and Analysis Plan, Underground Storage Tank Sites 2459 and 2666, Marine Corps Base, Camp Pendleton, California*, March 11.

SWDIV, see Southwest Division, Naval Facilities Engineering Command.

**Figures** 

#### Figure 1

Site Vicinity and Location Map – UST Site 2459

#### Figure 2

Site Map – UST Site 2459

#### Figure 3

**Groundwater Elevation Contours – February 2005 – UST Site 2459** 

#### Figure 4

**Groundwater Elevation Contours – April 2005 – UST Site 2459** 

#### Figure 5

**Groundwater Elevation Contours – August 2005 – UST Site 2459** 

#### Figure 6

**Groundwater Elevation Contours – October 2005 – UST Site 2459** 

#### Figure 7

**Hydrograph of Groundwater Elevations – UST Site 2459** 

#### Figure 8

Contaminant Concentrations – February through November 2005 – UST Site 2459

#### Figure 9

Summary of Field Monitoring Results – February through November 2005 – UST Site 2459

#### Figure 10

**Total TPH Remaining in Vadose Zone – UST Site 2459** 

**Tables** 

#### Table 1

Fluid Level Measurements – UST Site 2459 – February Through October 2005

#### Table 2

 $Summary\ of\ Groundwater\ Analytical\ Results-UST\ 2459-February\ Through\ November\ 2005$ 

#### Table 3

 $Summary\ of\ Field\ Monitoring\ Results-UST\ Site\ 2459-February\ Through\ November\ 2005$ 

# Appendix A Groundwater Sample Collection Logs, Fluid Level Measurement Documentation, and Operation and Maintenance Logs

# Appendix B Laboratory Reports and Chain-of-Custody Forms

#### Appendix C Summary of Historical Analytical Results

## Appendix D Data Validation Reports

## Appendix E Uniform Hazardous Waste Manifests

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Unit			(mg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Location	Date	Sample						
Code	Sampled	Number						
MW-1	7/23/1998	19951-0119	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
MW-1	7/23/1998	19951-0120	1.0 U	2.0 U	2.0 U	2.0 U	0.2	5.0 U
MW-1	10/14/1998	19951-0182	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NA
MW-1	2/16/1999	19951-0214	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-1	5/11/1999	19951-0246	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-1	8/3/1999	19951-0275	0.48 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-1	10/20/1999	19951-0313	0.47 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-1	4/25/2000	19951-0413	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 N
MW-1	4/25/2000	19951-0414	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-1	8/31/2000	19951-0473	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-1	11/27/2000	19951-0554	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-1	11/27/2000	19951-0555	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-1	3/9/2001	823304-0025	0.1 J	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-1	5/3/2001	823304-0059	ິ 0.05 J	0.5 U	1.7 J	0.5 U	2.2 J	1 J
MW-1	8/7/2001	823304-0067	0.06 J	0.2 J	0.5 U	0.5 J	1.6	5 U
MW-1	10/24/2001	823304-0085	0.08 J	0.5 U	5 U	5 U	N S	5 U
MW-1	3/19/2002	823304-0100	ი.009 ე	0.5 U	0.8	0.6	۱ ک	NA
MW-1	5/22/2002	823304-0120	0.098 U	0.8	1 JB	1 JB	2 JB	NA
MW-1	5/22/2002	823304-0121 (Dup)		0.7	1 JB	1 JB	8 S	NA
MW-1	8/27/2002	823304-0128	0.096 U	0,4 J	0.9 J	0.8 J	. rz	NA
MW-1	10/24/2002	823304-0145	0.096 U	0.3 J	0.7 J	0.4 J	f 9.0	NA
MW-1	3/18/2003	842592-0007	0.095 U	0.5 U	0.5 U	0.37 J	1.5 U	NA
MW-1	5/14/2003	842592-0025	0.094 U	0.37 J	0.5 U	0.59	1.5 U	NA
MW-1	5/14/2003	842592-0026 (Dup)	0,094 U	0.77	0,2 J	1.3	۲ŀ	NA
MW-1	08/25/03	842592-0038	0.095 U	0.5 U	0.5 U	0.5 U	N 5'1	NA
MW-1	11/13/03	842592-0068	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-1	11/13/03	842592-0069 (Dup)	Ц	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-1	03/16/04	102910-0009	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-1	05/21/04	102910-0042	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	AN
MW-1	08/18/04	102910-0081	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Unit			(mg/L)	(hg/L)	(ng/L)	(hg/L)	(na/L)	(na/L)
Location	Date	Sample					,	,
Code	Sampled	Number						
MW-1	11/15/04	102910-0095	0,096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-1	03/01/05	102910-0129	0.096 U	0.5 UJ	0.6 UJ	0.5 UJ	1.5 UJ	NA
MW-1	04/26/05	102910-0167	0.1.U	0.5 U	0.7 U	0.7 U	1.5 U	NA
MW-1	08/24/05	102910-0197	0.096 U	0.5 U	0.5 U	0,5 U	1.5 U	NA
MW-1	11/01/05	102910-0219	0.02 J	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	7/23/1998	19951-0118	1.0 U	2.0 U	2.0 U	2.0 U	2:0 U	2,0 ∪
MW-2	10/14/1998	19951-0181	1.0 U	1.0 U	1,0 U	1.0 U	2.0 U	NA
MW-2	2/16/1999	19951-0213	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-2	5/11/1999	19951-0245	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-2	8/3/1999	19951-0274	0.48 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-2	10/20/1999	19951-0314	0.47 U	0.5 U	0.5 U	2.3	1.5 U	5 U
MW-2	2/15/2000	19951-0384	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	10
MW-2	4/25/2000	19951-0412	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-2	8/25/2000	19951-0467	.13	0.5 U	0.5 U	0.5 U	1.5 U	1 0
MW-2	11/22/2000	19951-0546	0.098 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-2	3/9/2001	823304-0023	0.1 ئ	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-2	3/9/2001	823304-0024	0,1 ل	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-2	5/3/2001	823304-0060	0.1 U	0.5 U	1.5 J	0.5 U	0.9 J	5 U
MW-2	8/8/2001	823304-0075	0.1 U	0.5 U	0.5 U	0.2 J	<del>ا</del>	6 J
MW-2	10/24/2001	823304-0086	ი.06 კ	0.5 U	5 U	5 U	5 U	5 U
MW-2	3/20/2002	823304-0106	0.1 U	0.5 ∪	6.0	0.5 U	ر <del>ا</del>	NA
MW-2	3/20/2002	823304-0107 (Dup)	0.1 U	0.5 U	1.0	0.3 J	٠ ا	NA
MW-2	5/22/2002	823304-0125	0.098 U	0.5 U	5 U	5 U	1 JB	NA
MW-2	8/27/2002	823304-0129	0.1	0.5 U	5 U	0.3 J	٦ -	NA
MW-2	10/24/2002	823304-0146	0.096 U	0.4 J	5 U s	5 U	ს 2'0	NA
MW-2	10/24/2002	823304-0147 (Dup)	0.096 U	0.5 U	5 U	5 U	ს 2.0	NA
MW-2	3/18/2003	842592-0008	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	3/18/2003	842592-0009 (Dup)	0.097 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	5/14/2003	842592-0027	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	08/25/03	842592-0037	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	R021B/R260B	R021B/R260B	RO21R/R260R	R021R/R260R
Analyte			Diecel	Bonzono	Ethylbenzone	Toliono	Vidence (total)	MTDE
Unit			(mg/L)	(ng/L)	(µa/L)	(na(l)	Aylelles (lotal) (La/L)	(na/L)
Location	Date	Sample		,	<u> </u>	, ,		1 6 1
Code	Sampled	Number						
MW-2	11/12/03	842592-0064	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	03/15/04	102910-0004	0.04 J	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	03/15/04	102910-0005 (Dup)	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	05/20/04	102910-0034	0.09€ U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	08/18/04	102910-0080	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	11/15/04	102910-0096	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	11/15/04	102910-0097 (Dup)	0.096 U	0.5 U	1.5 U	0.5 U	2.9 U	NA
MW-2	02/28/05	102910-0125	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-2	04/26/05	102910-0161	0.1 U	0.3 J	0.8 U	∩ 6'0	1.6 U	NA
MW-2	08/25/05	102910-0204	0.02 J	0.2 UJ	0.5 U	0.5 U	ր 6'0	NA
MW-2	11/01/05	102910-0222	0.096 U	0.5 U	0.5 U	0.5 ∪	1.5 U	NA
MW-3	2/23/1998	19951-042	0.16 Jy B	2,0 U	2.0 U	2.0 U	2.0 U	NA
MW-3	7/24/1998	19951-0124	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
MW-3	4/25/2000	19951-0409	0.092 U	.5 U	.5 U	.5 U	1.5 U	10
MW-3	8/31/2000	19951-0475	0.092 U	.5 U	.5 U	.5 U	1.5 U	1.0
MW-3	8/31/2000	19951-0476	0.092 U	.5 U	.5 U	.5 U	1.5 U	10
MW-4	7/24/1998	19951-0122	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
MW-4	10/14/1998	19951-0180	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	AN
MW-4	2/16/1999	19951-0211	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-4	5/11/1999	19951-0244	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-4	8/3/1999	19951-0273	0.48 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-4	10/20/1999	19951-0311	0.48 ∪	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-4	2/15/2000	19951-0385	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-4	4/25/2000	19951-0411	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-4	8/25/2000	19951-0466	0.1	0.5 U	0.5 U	≉ 0.5 U	1.5 U	N -
MW-4	11/27/2000	19951-0553	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-4	3/9/2001	823304-0031	0.1 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-4	5/3/2001	823304-0056	0.1 U	0.4 J	1,3 J	0.5 U	L L	5 U
MW-4	8/7/2001	823304-0068	0,1 U	0.2 J	0.5 U	0.3 J	1.0	3 J
MW-4	10/24/2001	823304-0087	0.05 J	0.5 U	5 U	5 U	5.0	5 U

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B
Analyte Unit			Diesel (mg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (total) (µa/L)	MTBE (µa/L)
Location	Date	Sample			, , , , , , , , , , , , , , , , , , ,	,	, ,	,
Code	Sampled	Number						
MW-4	3/21/2002	823304-0111	8.99 <sup>a</sup>	U 3.0	6:0	U 3.0	13	NA
MW-4	5/22/2002	823304-0119	0.098 U	0.5 U	0.7 JB	5 U	1 JB	NA
MW-4	8/27/2002	823304-0130	0.096 U	0.5 U	5 U	ს.ვე	7	NA
MW-4	8/27/2002	823304-0131 (Dup)	0.01 J	0.5 U	2 ∪	0.5 J	7	NA
MW-4	10/23/2002	823304-0141	0.096 U	0.5 U	5 U	5 U	0.5 J	NA
MW-4	3/17/2003	842592-0002	0.095 U	0.5 U	0.5 U	0.35 ქ	1.5 U	AN
MW-4	5/14/2003	842592-0023	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	AN
MW-4	08/25/03	842592-0034	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	AN
MW-4	11/12/03	842592-0063	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-4	03/15/04	102910-0002	0.096 U	0.5 U	0.9 U	0.5 U	1.5 U	NA
MW-4	05/20/04	102910-0032	0.096 U	0.5 U	0.5 U	U.5.U	1.5 U	AN
MW-4	08/19/04	102910-0085	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-4	11/15/04	102910-0093	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	AN
MW-4	03/01/05	102910-0130	0.096 U	0.5 UJ	0.5 UJ	0.5 UJ	1.5 UJ	NA
MW-4	04/26/05	102910-0169	0.1.0	0.5 U	0.5 U	0.6 U	1.5 U	NA
MW-4	08/25/05	102910-0205	0.096 U	0.2 UJ	0.5 U	0.5 U	1 1	NA
MW-4	08/25/05	102910-0206 (Dup)	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-4	11/01/05	102910-0223	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	7/24/1998	19951-0123	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
MW-5	10/14/1998	19951-0179	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NA
MW-5	2/16/1999	19951-0212	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-5	5/11/1999	19951-0243	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	2 ∪
MW-5	8/3/1999	19951-0272	0.48 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
MW-5	10/20/1999	19951-0312	0.47 U	0.5 Ü	0.5 U	0.5 U	1.5 U	2 ∪
MW-5	2/15/2000	19951-0386	0.13	0.5 U	0.5 U	0.5 U	1.5 U	10
MW-5	2/15/2000	19951-0387	0.1	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-5	4/25/2000	19951-0410	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-5	8/25/2000	19951-0465	0.15	0.5 U	0.5 U	0.5 U	1.5 U	1 U
MW-5	11/22/2000	19951-0545	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	. N t
MW-5	3/9/2001	823304-0030	0.1 J	0.5 U	0.5 U	0.5 U	1.5 U	5 U

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B 8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Unit			(mg/L)	(hg/L)	(ng/L)	(nd/L)	(na/L)	(nd/L)
Location	Date	Sample					, ,	,
Code	Sampled	Number						
MW-5	5/3/2001	823304-0057	0.1 U	0.4 J	L 6.1	0.5 U	2.5 J	ر <del>ر</del>
MW-5	5/3/2001	823304-0058	0.05 J	0.5 U	1.6 J	0.5 U	J.	5 U
MW-5	8/7/2001	823304-0069	0.05 J	0.5 U	0.5 U	0,2 J	Γ,	4.1
MW-5	8/7/2001	823304-0070	0.04 J	0.2 J	0,5 U	0.2 J		4.1
MW-5	10/24/2001	823304-0088	0.1	0.5 U		5 U	20	
MW-5	3/21/2002	823304-0112	0.1 U	0.5 U	6.0	0.3 ქ	J.	NA
MW-5	5/22/2002	823304-0118	0.03 J	U.S.U	0.7 JB	5 U	8-	NA
MW-5	8/27/2002	823304-0132	0.096 U	0.5 U	5 U	0,4 J	J 6:0	NA
MW-5	10/23/2002	823304-0142	0.29	Ú 3'0	Ր 6'0	0.5 J	L Z'0	NA
MW-5	3/17/2003	842592-0003	0.096 U	0.25 J	0.5 U	0.4 J	1.5 U	NA
MW-5	5/14/2003	842592-0024	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	08/25/03	842592-0035	0.14	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	08/25/03	842592-0036 (Dup)	0.11	0,5 U	0.5 U	U.S.U	1.5 U	NA
MW-5	11/12/03	842592-0062	0.095 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	03/15/04	102910-0003	0.096 U	0.5 U	0.5 U	U 3.0	1.5 U	ΝΑ
MW-5	05/20/04	102910-0033	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	08/19/04	102910-0084	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	11/15/04	102910-0094	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
MW-5	03/01/05	102910-0131	0.01 J	0.5 U	0.5 U	0.5 U	1.5 U	NA
C-WIM	04/26/05	102910-0168	0.03 ქ	0.5 U	0.5 U	0.6 U	1.5 U	NA
C-VVIVI	08/25/05	102910-0207	0.03 J	0.2 UJ	0.5 U	0.5 U	0.8 J	NA
C-WIN	11/01/05	102910-0224	0.096 U.	0.5 U	0.5 U	0.5 U	1.5 U	NA
C-MO	7/23/1998	19951-0115	49	8.2	11	0,24 J	8.1	5.0 U
L-MO	10/15/1998	19951-0188	10 U	6.7	8.2	1.0 U	7.4	NA
OW-1	2/16/1999	19951-0217	22.8	7.8	8.41	0.5 U	8.63	5 U
OW-1	5/12/1999	19951-0252	20.1	.5 U	.5 U	0.5 U	1.5 U	5 U
OW-1	8/4/1999	19951-0284	33.2	6.7	2.9	0.5 U	5.9	5 U
OW-1	10/20/1999	19951-0317	28	9.9	6.3	0.5 U	7.5	5 U
OW-1	2/15/2000	19951-0382	27	7.7	2.5	0.5 U	8.1	1 U
OW-1	4/26/2000	19951-0419	28	8	5.6	0.5 U	8.9	1 0

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Benzene (μg/L) (μg/L) (μg/L) (μg/L)         (μg/L) (μg/L) (μg/L)           6.6         7         0.5 U           6.9         4.5         0.5 U           6.9         8.9         0.4 J           6.9         8.9         0.5 U           7.3         4.5         0.5 U           7.3         8.6         0.4 J           6.9         8.9         0.5 U           6.9         6.7 B         0.3 JB           7.0         6.7 B         0.3 JB           4.7         6.7 B         0.3 JB           4.6         1.5         1.5           4.8         4.5         1.5           6.9         1.4         0.5 U           0.5 U         0.5 U         0.5 U           0.5 U         0.5 U <td< th=""><th>Method</th><th></th><th></th><th>8015M - TPH</th><th>8021B/8260B</th><th>8021B/8260B</th><th>8021B/8260B</th><th>8021B/8260B  8021B/8260B</th><th>8021B/8260B</th></td<>	Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Sample   Sample   Sample   High   H	Analyte			Diesel		Ethylbenzene	Toluene	Xylenes (total)	MTBE
Sample	Unit			(mg/L)	(hg/L)	(na/L)	(na/L)	(na/L)	(na/L)
Sampled         Number         20         66         7         0.5           14/25/2000         19951-0470         18         6         5         0.5           14/25/2001         19951-0549         18         6         5         0.5           14/25/2001         823304-0063         15.4         7.9         9.6         0.4           10/24/2001         823304-0071         17         6.9         8.9         0.5           10/24/2001         823304-0071         17         6.9         8.9         0.5           10/24/2001         823304-0123         12.9         5.6         5.0         0.3           10/24/2001         823304-0123         11.2         4.7         6.7         8         0.3           10/24/2001         823304-0123         11.3         4.7         6.7         8         0.3 <t< th=""><th>Location</th><th>Date</th><th>Sample</th><th></th><th><u> </u></th><th></th><th></th><th></th><th>1 6 1</th></t<>	Location	Date	Sample		<u> </u>				1 6 1
8/25/2000         19951-0470         20         6.6         7         0.5           1/12/2000         19951-0440         18         6         5         0.5           1/12/2000         19951-0449         18         6         5         0.5           1/12/2000         823304-0027         1.7         6.9         8.9         0.4           8/8/2001         823304-0069         12.9         5.6         5         0.3           10/24/2001         823304-0105         11.6         2.4         4.0         0.5           3/2/2002         823304-0105         11.6         2.4         4.0         0.5           3/2/2002         823304-0103         11.         5.2         6.7         0.3           3/2/2002         823304-0103         11.         5.0         6.7         0.3           10/24/2002         823304-0148         12         4.7         6.7         0.3           10/24/2002         823304-0148         12         4.5         6.7         0.3           10/24/2002         823304-0148         12         6.5         0.3         0.3           10/24/2002         823304-0148         12         2.5         0.3         0.3     <	Code	Sampled	Number						
11/22/2000         19951-0549         18         6         5         0.5           3/9/2001         823304-0063         15.4         7.3         4.5         0.5           5/3/2001         823304-0063         15.4         6.9         8.9         0.5           1/0/24/2001         823304-0069         12.9         5.6         5.0         0.3           1/0/24/2001         823304-0090         15.1         5.6         5.0         0.3           1/0/24/2001         823304-0123         11.6         2.4         4.0         0.5           1/0/24/2002         823304-0143         11.6         2.4         4.0         0.5           1/0/24/2002         823304-0148         12         4.7         6.7         B         0.3           1/0/24/2002         823304-0148         12         4.7         6.7         B         0.3         0.3           1/0/24/2002         823304-0148         12         4.5         4.6         4.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5 </th <th>OW-1</th> <th>8/25/2000</th> <th>19951-0470</th> <th>20</th> <th>6.6</th> <th>7</th> <th>0.5 U</th> <th>2.8</th> <th>1 D</th>	OW-1	8/25/2000	19951-0470	20	6.6	7	0.5 U	2.8	1 D
3/9/2001         823304-0027         19         7.3         4.5         0.5           6/3/2001         823304-0063         15.4         7.9         9.6         0.4           6/8/2001         823304-0069         12.9         5.6         5.0         0.3           1/0/24/2001         823304-0080         15.1         5.6         5.0         0.3           1/0/24/2001         823304-0090         15.1         5.6         5.0         0.3           3/20/2002         823304-0103         11.6         2.4         4.0         0.5           8/20/2002         823304-0143         11         5.2         6.7         B         0.3           10/24/2002         823304-0148         12         4.7         6.7         B         0.3           10/24/2002         823304-0148         12         4.6         4.5         6.7         B         0.3           10/24/2002         823304-0148         12         5.2         6.9         8.9         1.3         0.3           3/18/2003         842592-0031         45         4.6         4.5         1.5         1.5           11/13/03         842592-0031         43         6.5         1.2         1.5	OW-1	11/22/2000	19951-0549	18	9	r.C	0.5 U	1.5	)  -
5/3/2001         823304-0063         15.4         7.9         9.6         0.4           10/24/2001         823304-0073         17         6.9         8.9         0.5           10/24/2001         823304-0089         15.1         5.6         5         0.3           3/20/2002         823304-0103         11.6         2.4         4.0         0.5           8/20/2002         823304-0133         11         5.2         6.7         0.3           8/20/2002         823304-0133         11         5.2         6.7         0.3           8/20/2002         823304-0133         11         5.2         6.9         1           8/20/2002         823304-0133         11         5.2         6.9         0.3           8/20/2002         823304-0133         11         5.2         6.9         0.3           8/20/2003         842592-0011         45         4.6         4.5         1.5           8/14/2002         842592-0071         2.3         2.1         2.6         0.5           11/13/03         842592-0071         2.3         0.5         1.4         0.5           11/13/04         102910-0102         2.3         0.5         1.4         0.5 </td <td>OW-1</td> <td>3/9/2001</td> <td>823304-0027</td> <td>19</td> <td>7.3</td> <td>4.5</td> <td>0,5 U</td> <td>2.4</td> <td>5 U</td>	OW-1	3/9/2001	823304-0027	19	7.3	4.5	0,5 U	2.4	5 U
8/6/2001         822304-0071         17         6.9         8.9         0.5           10/24/2001         823304-0089         12.9         5.6         5         0.3           10/24/2002         823304-0105         11.6         2.4         4.0         0.5           3/20/2002         823304-0103         11.6         2.4         6.7 B         0.3           8/27/2002         823304-0133         11         5.2         6.9         0.3           8/27/2002         823304-0133         11         5.2         6.9         0.3           8/27/2002         823304-0133         11         5.2         6.9         0.3           8/27/2002         823304-0133         11         5.2         6.9         0.3           10/24/2002         823304-0148         12         4.6         4.6         4.5         1.5           5/14/2003         842592-0001         28         1.8         4.6         4.5         1.5           6/14/2003         842592-0001         2.7         2.5         0.5         0.5         0.5           11/13/03         842592-0001         2.3         2.5         0.5         0.5         0.5         0.5           11/13/04	OW-1	5/3/2001	823304-0063	15.4	6'2	9.6	0,4 کا	3.2 J	
10/24/2001         82394-0089         12.9         5.6         5         0.3           10/24/2001         82394-0080         15.1         5.6         5.1         0.3           3/20/2002         823394-0163         11.6         2.4         4.0         0.5           8/21/2002         823394-0123         11         5.2         6.9         0.3           8/21/2002         823394-0133         11         5.2         6.9         0.3           10/24/2002         823394-0133         11         5.2         6.9         0.3           3/18/2003         825304-0133         12         4.3         6.9         0.3           3/18/2003         825304-0133         12         4.3         6.9         0.5           3/18/2003         842592-0040         27         2.5         3         0.5           3/18/2003         842592-0071         23         2.1         2.6         0.5           08/25/03         842592-0071         23         2.1         1.4         0.5           08/25/04         102910-0088         4.15         0.5         0.5         0.5         0.5         0.5           05/20/04         102910-0088         4.15         0.5 </td <td>OW-1</td> <td>8/8/2001</td> <td>823304-0071</td> <td>17</td> <td>6.9</td> <td>8.9</td> <td>0.5</td> <td>14</td> <td>3 J</td>	OW-1	8/8/2001	823304-0071	17	6.9	8.9	0.5	14	3 J
10/24/2001         823304-0090         15.1         5.6         5.1         0.5           3/20/2002         823304-0165         11.6         2.4         4.0         0.5           8/7/2002         823304-0133         11         5.2         6.9         1           10/24/2002         823304-0148         12         4.3         6.9         1           10/24/2002         823304-0148         12         4.3         6.9         1           10/24/2002         823304-0148         12         4.3         6.9         1           3/18/2003         842592-0030         28         1.8         3         0.5           5/14/2003         842592-0040         27         2.5         3         0.5           6/14/2003         842592-0071         23         2.1         2.6         0.5           11/13/03         842592-0071         23         2.1         2.6         0.5           08/25/03         842592-0071         2.3         0.5         0.5         0.5         0.5           08/15/04         102910-0018         4.15         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5<	OW-1	10/24/2001	823304-0089	12.9	5.6	2	0.3 J	3.1	5 U
3/20/2002         823304-0105         11.6         2.4         4,0         0.5           5/22/2002         823304-0123         13.2         4,7         6,7 B         0.3           10/24/2002         823304-0133         11         5.2         6,9         1           10/24/2002         823304-0148         12         4,6         4,5         1.5           3/18/2003         842592-0011         45         4,6         4,5         1.5           5/14/2003         842592-0071         28         1,8         3         0,5           10/24/2003         842592-0071         27         2.5         3         0,5           10/25/20/04         102910-0038         4.15         0.5 U         1.2 U         0,5           05/20/04         102910-0038         4.15         0.5 U         1.4 U         0,5           06/20/04         102910-0038         4.56         0.5 U         1.4 U         0,5           08/19/04         102910-0122         2.3         0.2 U         1.7 U         0,5           08/28/05         102910-0124         2.7         0.4 U         0,5 U         0,0         0,5           10/23/1096         102910-0216         2.7 <td< td=""><td>OW-1</td><td>10/24/2001</td><td>823304-0090</td><td>15.1</td><td>5.6</td><td>5 J</td><td>0.3 J</td><td>3 ک</td><td>2 ∩</td></td<>	OW-1	10/24/2001	823304-0090	15.1	5.6	5 J	0.3 J	3 ک	2 ∩
5/22/2002         8/22/2002         8/22/2002         8/22/2002         8/22/2002         6.7 B         0.3           10/24/2002         8/23/204-0133         11         5.2         6.9         1           3/18/2003         8/25/20-001         45         4.6         4.5         1.5           3/18/2003         8/25/20-001         28         1.8         3         0.5           5/14/2003         8/25/20-0040         27         2.5         3         0.5           6/14/2003         8/25/20-0040         27         2.5         3         0.5           11/13/04         102910-0038         4.15         0.5 U         1.2 U         0.5           08/20/04         102910-0038         4.15         0.5 U         1.4 U         0.5           08/19/04         102910-0102         2.3         0.5 U         1.4 U         0.5           08/19/05         102910-0102         2.3         0.5 U         1.7 U         0.5           08/20/05         102910-0125         2.3         0.5 U         0.5 U         0.5           08/20/05         102910-0126         2.7         0.4 U         0.5 U         0.5           08/20/05         102910-0216         1.9	OW-1	3/20/2002	823304-0105	11.6	2.4	4.0	0.5	5.6	NA
8/27/2002         823304-0133         11         5.2         6.9           10/24/2002         823304-0148         12         4.3         6           3/18/2003         842592-0011         45         4.6         4.5           5/14/2003         842592-0030         28         1.8         3           6/14/2003         842592-0040         27         2.5         3           11/13/03         842592-0071         23         2.1         2.6           08/25/03         842592-0071         23         2.1         2.6           11/13/03         842592-0071         23         0.5 U         1.2 U           03/16/04         102910-0011         4.36         0.5 U         1.4 U           05/20/04         102910-0108         4.56         0.5 U         1.4 U           08/18/04         102910-0128         2.3         0.5 U         1.4 U           02/28/05         102910-0128         2.5         0.1 J         0.5 U           02/28/05         102910-0126         2.72         0.4 UU         0.5 U           08/25/05         102910-0126         2.78         0.5 U         0.5 U           10/31/05         102910-0126         2.78         0.4	OW-1	5/22/2002	823304-0123	13.2	4.7			6.9 B	NA
10/24/2002         823304-0148         12         4.3         6           3/18/2003         842592-0011         45         4.6         4.5           5/14/2003         842592-0030         28         1.8         3           6/14/2003         842592-0040         27         2.5         3           11/13/03         842592-0071         23         2.1         2.6           03/16/04         102910-0011         4.36         0.5 U         1.2 U           05/20/04         102910-0038         4.15         0.5 U         1.4 U           05/20/04         102910-0103         4.15         0.5 U         1.4 U           05/20/04         102910-0102         2.3         0.5 U         1.7 U           06/20/04         102910-0122         2.3         0.5 U         1.7 U           02/28/05         102910-0122         2.72         0.4 J         2.0           02/28/05         102910-0124         2.72         0.4 J         0.5 U           04/26/05         102910-0216         2.78         0.5 U         0.5 U           06/21/05         102910-0216         2.78         0.5 U         0.5 U           10/31/05         10951-0216         1.0 U	OW-1	8/27/2002	823304-0133	11	5.2	6.9	Ų ļ	3	NA
3/18/2003         842592-0011         45         4.6         4.5           5/14/2003         842592-0030         28         1.8         3           08/25/03         842592-0040         27         2.5         3           11/13/03         842592-0071         23         2.1         2.6           03/16/04         102910-0011         4.36         0.5 U         1.2 U           05/20/04         102910-0038         4.15         0.5 U         1.4 U           05/20/04         102910-0038         4.56         0.5 U         1.4 U           08/19/04         102910-0108         4.56         0.5 U         1.7 U           08/19/04         102910-0108         4.56         0.5 U         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.6 U           02/28/05         102910-0124         2.78         0.4 U         0.5 U           04/26/05         102910-0201         1.9         0.4 U         0.5 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U           10/15/1998         19951-0185         1.0 U         5.3         4.6           10/15/1998         19951-0248         9.9	OW-1	10/24/2002	823304-0148	12	4.3	9	0.3 J	2 J	NA
5/14/2003         842592-0030         28         1.8         3           08/25/03         842592-0040         27         2.5         3           11/13/03         842592-0071         23         2.1         2.6           03/16/04         102910-0011         4.36         0.5 U         1.2 U           05/20/04         102910-0018         4.15         0.5 U         1.2 U           08/19/04         102910-0108         4.56         0.5 U         1.4 U           08/19/04         102910-0102         2.3         0.5 U         1.4 U           02/28/05         102910-0122         2.3         0.2 J         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           04/26/05         102910-0123 (Dup)         2.72         0.4 J         0.5 U           08/25/05         102910-0126         2.72         0.4 U         0.5 U           10/15/199         19951-0116         1.9         0.5 U         0.5 U           10/15/199         19951-0118         1.0 U         5.3         4.6           10/15/1999         19951-0221         8.53         4.87         3.67           5/11/1999         19951-0249         <	OW-1	3/18/2003	842592-0011	45	4.6	4.5	1.5	6.5	NA
08/25/03         842592-0040         27         2.5         3           11/13/03         842592-0071         23         2.1         2.6           03/16/04         102910-0011         4.36         0.5 U         1.2 U           05/20/04         102910-0038         4.15         0.5 U         1.2 U           08/19/04         102910-0108         4.56         0.5 U         1.4 U           08/19/04         102910-0102         2.3         0.2 J         1.7 U           02/28/05         102910-0122         2.3         0.2 J         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.6 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           08/26/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           08/26/05         102910-0165         2.72         0.4 U         0.5 U           08/26/05         102910-0216         2.78         0.5 U         0.5 U           10/15/1998         19951-0185         1.0 U         5.3         4.6           2/17/1999         19951-0221         8.53         4.87         3.67           5/11/1999         19951-0249 <td>OW-1</td> <td>5/14/2003</td> <td>842592-0030</td> <td>28</td> <td>1.8</td> <td>3</td> <td>0.5 U</td> <td>0.85 J</td> <td>NA</td>	OW-1	5/14/2003	842592-0030	28	1.8	3	0.5 U	0.85 J	NA
11/13/03     842592-0071     23     2.1     2.6       03/16/04     102910-0011     4.36     0.5 U     1.3 U       05/20/04     102910-0038     4.15     0.5 U     1.2 U       08/19/04     102910-0108     4.56     0.5 U     1.4 U       11/15/04     102910-0102     2.3     0.2 J     1.4 U       02/28/05     102910-0123 (Dup)     2.5     0.1 J     0.6 U       02/28/05     102910-0123 (Dup)     2.5     0.1 J     0.5 U       04/26/05     102910-0123 (Dup)     2.72     0.4 U     0.5 U       08/25/05     102910-0216     2.78     0.4 U     0.5 U       08/25/05     102910-0216     2.78     0.5 U     0.5 U       10/15/1998     19951-0116     1.0 U     5.3     4.6       2/17/1999     19951-0221     8.53     4.87     3.3       5/11/1999     19951-0248     9.90     5.2     3.3       5/11/1999     19951-0249     10.3     5.6     3.3	OW-1	08/25/03	842592-0040	27	2.5	3	0.5 U	1.5 U	NA
03/16/04         102910-0011         4.36         0.5 U         1.3 U           05/20/04         102910-0038         4.15         0.5 U         1.2 U           08/19/04         102910-0038         4.56         0.5 U         1.4 U           08/19/04         102910-0109         3.26         0.5 U         1.4 U           02/28/05         102910-0123         2.3         0.2 J         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           04/26/05         102910-0165         2.72         0.4 J         2.0           08/25/05         102910-0201         1.9         0.4 UJ         0.5 U           08/25/05         102910-0201         1.9         0.5 U         0.5 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U         0.5 U           7/23/1998         19951-01165         1.0 U         5.3         4.6         4.5           10/15/1998         19951-0127         1.0 U         5.3         4.6         4.6           2/17/1999         19951-0221         8.53         4.87         3.5         3.5           5/11/1999         19951-0249         10.3         5.6 <td< td=""><td>OW-1</td><td>11/13/03</td><td>842592-0071</td><td>23</td><td>2.1</td><td>2.6</td><td>0.5 U</td><td>1.5 U</td><td>NA</td></td<>	OW-1	11/13/03	842592-0071	23	2.1	2.6	0.5 U	1.5 U	NA
05/20/04         102910-0038         4.15         0.5 U         1.2 U           08/19/04         102910-0088         4.56         0.5 U         1.4 U           11/15/04         102910-0100         3.26         0.5 U         1.4 U           02/28/05         102910-0123         2.3         0.2 J         1.7 U           02/28/05         102910-0123         2.5         0.1 J         0.5 U           04/26/05         102910-0165         2.72         0.4 J         0.5 U           08/25/05         102910-0201         1.9         0.4 UJ         0.5 U           08/25/05         102910-0201         1.9         0.5 U         0.5 U           10/31/05         102910-0201         1.9         0.5 U         0.5 U           7/23/1998         19951-0116         1.0 U         5.3         4.5           10/15/1998         19951-0185         1.0 U         5.3         4.6           2/17/1999         19951-0221         8.53         4.87         3.5           5/11/1999         19951-0249         10.3         5.6         3.5	OW-1	03/16/04	102910-0011	4,36	0.5 U	1.3 U	0.6 U	1.5 U	NA
08/19/04         102910-0088         4.56         0.5 U         1.4 U           11/15/04         102910-0100         3.26         0.5 U         0.6 U           02/28/05         102910-0122         2.3         0.2 J         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.6 U           04/26/05         102910-0165         2.72         0.4 J         0.5 U           08/25/05         102910-0201         1.9         0.4 UJ         0.9 U           08/25/05         102910-0201         2.78         0.5 U         0.5 U           10/31/05         19951-0116         1.0 U         5.3         4.5           10/15/1998         19951-0185         1.0 U         5.3         4.5           2/17/1999         19951-0221         8.53         4.87         3.67           5/11/1999         19951-0249         10.3         5.6         3.5	OW-1	05/20/04	102910-0038	4.15	0.5 U	1.2 U	0.5 U	1.5 U	NA
11/15/04         102910-0100         3.26         0.5 U         0.6 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           04/26/05         102910-0123 (Dup)         2.72         0.4 J         0.5 U           08/25/05         102910-0201         1.9         0.4 UJ         0.9 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U           7/23/1998         19951-0116         1.4 Y         6.6         3.9         0.5 U           10/15/1998         19951-0187         1.0 U         5.3         4.5         0.5 U           2/17/1999         19951-0221         8.53         4.87         3.57         3.57           5/11/1999         19951-0249         10.3         5.6         3.3         4.5	OW-1	08/19/04	102910-0088	4.56	0.5 U	1,4 U	0.5 U	1.5 U	NA
02/28/05         102910-0123 (Dup)         2.3         0.2 J         1.7 U         1.7 U           02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U         0.5 U           04/26/05         102910-0165         2.72         0.4 J         2.0         0.5 U           08/26/05         102910-0201         1.9         0.4 UJ         0.9 U         0.9 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U         0.5 U           10/15/1998         19951-0116         1.0 U         5.3         4.5         0.5 U           10/15/1998         19951-0187         1.0 U         5.3         4.6         4.6           2/17/1999         19951-0221         8.53         4.87         3.67         3.3           5/11/1999         19951-0248         9.90         5.2         3.3         4.6           5/11/1999         19951-0249         10.3         5.6         3.5         4.6	OW-1	11/15/04	102910-0100	3.26	0.5 U	0.6 U	0.5 U	1.5 U	NA
02/28/05         102910-0123 (Dup)         2.5         0.1 J         0.5 U           04/26/05         102910-0165         2.72         0.4 JJ         2 U           08/25/05         102910-0201         1.9         0.4 UJ         0.9 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U           7/23/1998         19951-0116         14 y         6.6         3.9         0           10/15/1998         19951-0185         1.0 U         5.3         4.6         4.6           2/17/1999         19951-0221         8.53         4.87         3.67         3.3           5/11/1999         19951-0248         9.90         5.2         3.3         3.5           5/11/1999         19951-0249         10.3         5.6         3.5         3.5	CW-1	02/28/05	102910-0122	2.3	0.2 J	1.7 U	0.5 U	3 U	NA
04/26/05         102910-0165         2.72         0.4 J         2 U           08/25/05         102910-0201         1.9         0.4 UJ         0.9 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U           7/23/1998         19951-0116         14 y         6.6         3.9         0           10/15/1998         19951-0185         1.0 U         5.3         4.6         0           2/17/1999         19951-0221         8.53         4.87         3.67         0           5/11/1999         19951-0248         9.90         5.2         3.3         0           5/11/1999         19951-0249         10.3         5.6         3.5         0	-MO	02/28/05		2.5	0.1 J	0.5 U	0.5 U	1.5 U	NA
08/25/05         102910-0201         1.9         0.4 UJ         0.9 U           10/31/05         102910-0216         2.78         0.5 U         0.5 U           7/23/1998         19951-0116         14 y         6.6         3.9         0           10/15/1998         19951-0185         1.0 U         5.3         4.5         0           2/17/1999         19951-0221         8.53         4.87         3.67         3.3           5/11/1999         19951-0248         9.90         5.2         3.3         3.5           5/11/1999         19951-0249         10.3         5.6         3.5         3.5	CW-1	04/26/05	102910-0165	2.72	0.4 J	2 U	O 6'0	4.1 U	NA
10/31/05         102910-0216         2.78         0.5 U         0.5 U           7/23/1998         19951-0116         14 y         6.6         3.9         0           10/15/1998         19951-0185         1.0 U         5.3         4.5         4.5           2/17/1999         19951-0221         8.53         4.87         3.67         3.67           5/11/1999         19951-0248         9.90         5.2         3.3         3.5           5/11/1999         19951-0249         10.3         5.6         3.5	OW-1	08/25/05	102910-0201	1.9	0.4 UJ	0.9 U	0.5 U	ا ل	NA
7/23/1998         19951-0116         14 y         6.6         3.9         0           10/15/1998         19951-0185         1.0 U         5.3         4.5         4.5           2/17/1999         19951-0221         8.53         4.87         3.67         3.67           5/11/1999         19951-0248         9.90         5.2         3.3         4.6           5/11/1999         19951-0249         10.3         5.6         3.5         4.6	C.M.O	10/31/05	102910-0216	2.78	0.5 U	0.5 U	0.5 U	1.5 U	AN
10/15/1998     19951-0185     1.0 U     5.3     4.5       10/15/1998     19951-0187     1.0 U     5.3     4.6       2/17/1999     19951-0221     8.53     4.87     3.67       5/11/1999     19951-0248     9.90     5.2     3.3       5/11/1999     19951-0249     10.3     5.6     3.5	2-MO	7/23/1998	19951-0116	14 y	9.9	3.9	0.14 J	5.8	5.0 U
10/15/1998     19951-0187     1.0 U     5.3     4.6       2/17/1999     19951-0221     8.53     4.87     3.67       5/11/1999     19951-0248     9.90     5.2     3.3       5/11/1999     19951-0249     10.3     5.6     3.5	OW-2	10/15/1998	19951-0185	1.0 U	5.3	4.5	1.0 U	2.0 U	NA
2/17/1999     19951-0221     8.53     4.87     3.67       5/11/1999     19951-0248     9.90     5.2     3.3       5/11/1999     19951-0249     10.3     5.6     3.5	OW-2	10/15/1998	19951-0187	1.0 U	5.3	4.6	1.0 U	3.0	NA
5/11/1999     19951-0248     9.90     5.2     3.3       5/11/1999     19951-0249     10.3     5.6     3.5	OW-2	2/17/1999	19951-0221	8.53	4.87	3.67	0.5 U	4,46	5 U
5/11/1999 19951-0249 10.3 5.6 3.5	OW-2	5/11/1999	19951-0248	9.90	5.2	3.3	0.5 U	3.2	5 U
	OW-2	5/11/1999	19951-0249	10.3	5.6	3.5	0.5 U	5.9	5 U

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Unit		-	(mg/L)	(µg/L)	(µg/L)	(µg/L)	(ng/L)	(nd/L)
Location	Date	Sample						,
Code	Sampled	Number	·					
OW-2	8/3/1999	19951-0277	14.2	5.4	3.5	0.5 U	3.5	5 U
OW-2	10/21/1999	19951-0320	14	5.3	3,3	0.5 U	3.7	L 67.
OW-2	2/15/2000	19951-0381	10	5	1.4	0.5 U	2	10
OW-2	4/26/2000	19951-0418	7.0	5.5	3.6	0.5 U	1.5	1 U
OW-2	8/25/2000	19951-0469	9.6	4.3	3.9	0.5 U	6.	1 0
OW-2	11/22/2000	19951-0548	7.9	3.9	3.3	0.5 U	1.5 U	1.0
OW-2	3/9/2001	823304-0028	8.64	4.3	3.8	0.5 U	7	5 U
OW-2	5/3/2001	823304-0062	10.9	0.3 ქ	1,5 J	0.5 U	1.9 J	1 J
OW-2	8/8/2001	823304-0072	9.18	5.0	6.3	0.4 J	8.1	5.0
OW-2	10/24/2001	823304-0091	8.17	4.9	4 J	0.3 J	7	5 U
OW-2	3/21/2002	823304-0110	0.1ª U	8.2	10.1	0.4 J	4.5	NA
OW-2	5/21/2002	823304-0114	8.8	6.2	7 B	5 U	2 JB	NA
OW-2	8/28/2002	823304-0136	9.11	5.1	7.2	0.8 J	3 J	NA
OW-2	10/24/2002	823304-0150	6.52	3.8	5.2	0.6 J	2 J	NA
OW-2	3/18/2003	842592-0010	21	3.9	3.3	0.34 J	1,3 J	NA
OW-2	5/14/2003	842592-0029	15	3.4	2.8	0.5 U	1.5 U	NA
OW-2	08/25/03	842592-0041	21	5.3	5.7	0.5 U	1.5 U	AN
OW-2	11/13/03	842592-0067	19	4.5	4.6	0.22 J	1.5 U	AN
OW-2	03/16/04	102910-0010	4.02	1 U	1.6 U	0.8 U	3.2 U	NA
OW-2	05/20/04	102910-0037	4.08	0.6 U	0.7 U	0.5 U	1.5 U	NA
OW-2	08/19/04	102910-0089	3.83	0.8 U	0.8 U	0.5 U	1.5 U	NA
OW-2	11/15/04	102910-0099	4.32	0.5 U	0.7 U	0.5 U	1.5 U	NA
OW-2	02/28/05	102910-0121	3.08	6:0	1.3 U	0.5 U	1.5 U	NA
OW-2	04/26/05	102910-0163	3,31	0.5 J	0.8 U	0.7 U	1.5 U	NA
OW-2	04/26/05	102910-0164 (Dup)	3.29	0.0	0.5 U	0.7 U	1.5 U	NA
OW-2	08/25/05	102910-0202	2.59	0.6 U	0.5 U	0.5 U	l l	NA
OW-2	11/01/05	102910-0220	3,61	0.2 J	0.5 U	0.5 U	1.5 U	AN
OW-3	7/23/1998	19951-0117	1.0 v	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
OW-3	10/15/1998	19951-0186	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NA
S-W-3	2/17/1999	19951-0220	0.54	0.5 U	0.5 U	0.5 U	1.5 U	5 U
-								

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xvlenes (total)	MTRE
Unit			(ma/L)	(na/L)	(na/L)	(ua/L)	(inal)	
Location	Date	Sample		, ,	/_ 2	(L.S.L.)	(F.9.	(H.3:-/
Code	Sampled	Number						
OW-3	5/11/1999	19951-0247	1.10	0.5 U	0.5 U	0.5 U	1.5 U	5 U
OW-3	8/3/1999	19951-0276	1.29	0.5 U	0.5 U	0.5 U	1.5 U	)     
OW-3	10/20/1999	19951-0315	0.47 U	0.5 U	0.5 U	0.5 U	- T	2 2
OW-3	10/20/1999	19951-0316	0.47 U	0.5 U	0.5 U	0.5 U		2
OW-3	2/15/2000	19951-0383	9.0	0.5 U	0.5 U	0.5 U	15.1	
OW-3	4/26/2000	19951-0417	1.1	0.5 U	0,5 U	0.5 U	1 2 1	
OW-3	8/25/2000	19951-0468	9.4	2	0.5 U	0.5 U	1 2 2	
OW-3	11/22/2000	19951-0547	5.1	98.	0.5 U	0.5 U	15.0	
OW-3	3/9/2001	823304-0026	6.44	0.5	0.5 U	0.5 U	1.5 U	5 1)
OW-3	5/3/2001	823304-0061	7.84	1.4	1.9 J	0.5 U	J. 8.0	2 0
OW-3	8/8/2001	823304-0073	6.80	6.0	0.5 U	0.2 J	2.6 J	9
OW-3	10/24/2001	823304-0092	9,75	1,4	5 U	5 U	2 ∩	5 11
OW-3	3/20/2002	823304-0103	5.93	1.3	0.8	9'0	J. 8.0	NA
OW-3	5/22/2002	823304-0124	9.34	1.5	1 JB	0.5 JB	2 JB	NA.
OW-3	8/28/2002	823304-0137	8.38	1.2	1 )	0.4 J	2 J	NA
OW-3	10/24/2002	823304-0149	5,38	1.1	0.8 J	5 U	0.9 J	NA
OW-3	3/18/2003	842592-0012	12	0.96	0.34 J	0.22 J	1.5 U	NA
OW-3	5/14/2003	842592-0028	8.6	0.25 J	0.5 U	0.2 J	1.5 U	NA
OW-3	08/25/03	842592-0039	14 J	0.5 U	0.5 U	0.5 U	1.5 U	NA
5.W-3	11/13/03	842592-0070	12	0.5 U	0.5 U	0.5 U	1.5 U	NA
S C C	03/15/04	102910-0006	5.31	0.5 U	0.5 U	0.5 U	1.5 U	NA
CW-3	05/20/04		2.54	0.5 U	0.5 U	0.5 U	1.5 U	NA
OW-3	05/20/04	102910-0036 (Dup)	3.04	0.5 U	0.7 U	0.5 U	1.5 U	W
OW-3	08/19/04	102910-0086	2.95	0.5 U	0.5 U	0.5 U	1.5 U	NA
OW-3	08/19/04	102910-0087 (Dup)	2.79	0.5 U	0.5 U	0.5 U	1.5 U	NA
OW-3	11/15/04	102910-0098	1.94	0.5 U	0.6 U	0.5 U	1.5 U	NA
OW-3	02/28/05	102910-0124	2.04	0.3 J	1.8 U	0.5 U	1.5 U	NA
CW-3	04/26/05	102910-0162	1.1	0.3 J	0.5 U	0.9 U	1.5 U	NA A
OW-3	08/25/05	102910-0203	0.53	0.3 UJ	0.5 U	0.5 U	٦,	ΝΑ
CW-3	11/01/05	102910-0221	0,55	0.5 U	0.5 U	0.5 U	1.5 U	NA
-								

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Office			(mg/L)	(hg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
Code	Sampled	Sample						
RW-1	7/23/1998	19951-0114	25 V	49	23	0.52	45	5.0 []
RW-1	10/15/1998	19951-0189	1.0 U	39	21	0.74	23.0	NA N
RW-1	2/16/1999	19951-0215	15.6	45	21.9	) c	21.7	5
RW-1	2/16/1999	19951-0216	28.4	46.4	23.8	.5 U	21.6	2 2
RW-1	5/12/1999	19951-0253	19.5	45	30	.5 U	26	5 - 5
RW-1	8/4/1999	19951-0285	15.5	43.7	14.4	.48	17.9	221
RW-1	8/4/1999	19951-0286	10.9	46	15.4	.47	18.7	20.00
RW-1	10/21/1999	19951-0321	26	29	17	.73	18	14.1
RW-1	2/15/2000	19951-0380	22	÷	2.1	1.5	3.2	
RW-1	4/26/2000	19951-0420	15	32	14	1.3	-	
RW-1	8/31/2000	19951-0474	17	18	13	0.5.	66	
RW-1	11/22/2000	19951-0550	14	25	13	U z;	1.5 U	
RW-1	3/9/2001	823304-0029	11	0.4 J	0.5 U	0.5 U	0.6 J	2 0
RW-1	5/3/2001	823304-0064	9.45	1.4	3.5 J	0.5		5 U
HW-1	8/8/2001	823304-0074	9.16	8.0	1.5	0.3 J	5.8	2.J
HW-1	10/24/2001	823304-0093	7.97	0.3 J	0.5 J	0.3 J	5 U	5 0
RW-1	3/20/2002	823304-0104	2,95	0.3 J	6.0	0.7		NA
HW-1	5/22/2002	823304-0122	2.12	0.5 U	1 JB	0.4 JB	1 JB	NA
HW-1	8/28/2002	823304-0138	3.86	0.4 J	٦ <b>١</b>	0.8 ე	, T	NA
HW-1	10/24/2002	823304-0151	7.	0.5 U	5.0	5 U	0.6 J	NA
HW-1	3/17/2003	842592-0004	3.3	0.34 J	0.5 U	0.45 J	1.5 U	W
HW-1	5/14/2003	842592-0031	1.9	0.5 U	0.5 U	0.5 U	1.5 U	NA
HW-1	08/25/03	842592-0042	2.4	0.5 U	0.5 U	0.5 U	1.5 U	NA
HW-1	11/13/03	842592-0072	2.2	0.5 U	0.5 U	0.5 ∪	1.5 U	MA
RW-1	03/16/04	102910-0012	0.49	0.5 U	1 U	0.5 U	1.6 U	W
HW-1	05/21/04	102910-0041	2.11	0.5 U	0.5 U	0.5 U	1.5 U	NA
HW-1	08/19/04	102910-0090	1.80	0.5 U	0.7 U	0.5 U	1.5 U	NA
HW-1	11/15/04	102910-0101	0.94	0.5 U	0.5 U	0.5 U	1.5 U	NA
Hw-1	03/01/05	102910-0128	2.51	0.5 U	0.5 U	0.5 U	1.5 U	NA
Hw-1	04/26/05	102910-0166	0.64	0.2 J	0.5 U	0.7 U	1.5 U	NA

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B   8021B/8260B	RN21R/R260R
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xvienes (total)	MTBE
Unit			(mg/L)	(na/L)	(na/L)	(na/r)	(ua/L)	(  a  )
Location	Date	Sample		,		/	(F.9' T)	14.37
Code	Sampled	Number				,		
RW-1	08/25/05	102910-0200	0.79	0.3 UJ	1.8 U	0.5 J	3.6	NA
RW-1	10/31/05	102910-0215	0.8	0.5 U	0.5 U	0.5 U		NA
Equipment Rinsate	7/23/1998	19951-0113	1.0 U	2.0 U	2.0 U	2.0 U	1106	5011
Equipment Rinsate	10/14/1998	19951-0178	1.0 U	1.0 U	1.0 U	1.0 U	0.00	O ON
Equipment Rinsate	2/16/1999	19951-0218	0.5 U	0.5 U	0.5 U	0.5 U	1 2 -	- L
Equipment Rinsate	5/11/1999	19951-0242	0.5 U	NA	NA	NA	NA AN	NA
Equipment Rinsate	5/12/1999	19951-0251	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	5 U
Equipment Rinsate	8/3/1999	19951-0271	0.49 U	0.5 U	0.5 U	0.5 U	1.5 U	1 2
Equipment Rinsate	8/4/1999	19951-0287	0.485 U	0.5 U	0.5 U	0.5 U	1.5 U	5 12
Equipment Rinsate	10/20/1999	19951-0309	0,48 U	0.5 U	0.5 U	0.5 U	1.5 U	2   1   2
Equipment Rinsate	2/15/2000	19951-0388	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	
Equipment Hinsate	4/25/2000	19951-0408	0.092 U	0.5 U	0.5 U	0.5 U	1.5 U	-
Equipment Hinsate	8/25/2000	19951-0471	0.093 U	0.5 U	0.5 U	0,5 U	1.5 U	
Equipment Hinsate	11/27/2000	19951-0556	0,093 U	0.5 U	0.5 U	0.5 U	1.5 U	0
Equipment Hinsate	3/9/2001	823304-0032	0.07 J	0.5 U	0.5 U	0.5 U	1,5 U	5 []
Equipment Hinsate	5/3/2001	823304-0065	0.1 U	0.5 U	1.1	0.5 U	1.7	2.1
Equipment Hinsate	8/7/2001	823304-0082	0.1 U	NA	NA	NA	AA	NA
Equipment Hinsate	8/8/2001	823304-0083	0.1 U	0.5 U	0.5 U	0.2 J	L L	5 J
Equipment Hinsate	10/24/2001	823304-0094	0.1 U	0.5 U	5 U	5 U	2	5 U
Equipment Hinsate	3/19/2002	823304-0101	0.01 J	0.4 J	0.8	0.3 J	١٠	NA
Equipment Hinsate	3/20/2002	823304-0108	0.008 J	0.5 U		9.0	1.8	NA
Equipment Rinsate	3/21/2002	823304-0113	0.04 J	0.5 U	1.0	9.0	1.9	NA
Equipment Amsate	5/21/2002	823304-0115	0.03 ქ	0.5 U	0.7 JB	5.0	ay -	NA
Equipment Hinsate	5/22/2002	823304-0126	0.01 J	0,5 U	0,9 JB	0,4 JB	l JB	AN
Equipment Hinsate	8/27/2002	823304-0134	0.096 U	0.5 U	5 U	0.4 J	0.4 J	Α×
Equipment Pinsate	8/28/2002	823304-0139	0.096 U	0.5 U	5 U	0.3 ქ	0.7 J	NA
Equipment Hinsate	10/23/2002	823304-0143	0.096 U	0.5 U	5 U	5 U	0.5 J	NA
Equipment Hinsate	10/24/2002	823304-0152	0.02 J	0.5 ∪	5 U	5 U	0.4 J	NA AA
Equipment Rinsate	3/1//2003	842592-0005	0.094 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
equipment Hinsate	3/18/2003	842592-0013	NA	0.5 U	0.21 J	0.53	L 1,1	NA A

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B  8021B/8260B	8021B/8260B
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	MTBE
Unit			(mg/L)	(na/L)	(na/L)	(na/L)	(1/0/1)	(  ˈa/l)
Location	Date	Sample				1 0 1	/= (C = 1	(m 35 m)
Code	Sampled	Number						
Equipment Rinsate	5/14/2003	842592-0032	0.094 U	0.5 U	0.5 U	0.5 U	151	NA
Equipment Rinsate	08/25/03	842592-0043	0.094 U	0.5 U	0.36 J	0.25 ,]	2 - 6	ΔN
Equipment Rinsate	11/12/03	842592-0065	0.095 U	0.5 U	0.5 U	0.5 U	151	NA
Equipment Rinsate	11/13/03	842592-0073	0.094 U	0.5 U	0.5 U	0.5 U	- C	AN
Equipment Rinsate	03/15/04	102910-0007	0.096 U	0.5 U	0.5 U	0.5 U	151	NA
Equipment Rinsate	03/16/04	102910-0013	0.096 U	0.5 U	1 U	0.5 U	1.6 U	AN
Equipment Hinsate	05/20/04	102910-0039	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
Equipment Hinsate	05/21/04	102910-0043	0.096 U	0.5 U	0.5 U	0.5 U	15.0	NA
Equipment Hinsate	08/18/04	102910-0082	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
Equipment Rinsate	08/19/04	102910-0091	ر 20.0	0.5 U	0.5 U	0.5 U	1.5 U	NA
Equipment Hinsate	11/15/04	102910-0102	0.02 J	0.5 U	0.5 U	0.5 U	15.1	NA
Equipment Hinsate	02/28/05	102910-0126	J 800.0	0.5 U	0.5 U	0.5 U	151	NA
Equipment Kinsate	03/01/05	102910-0132	0.096 U	0.2 J	1.9 U	0.5 U		NA
Equipment Hinsate	04/26/05	102910-0170	0.1 U	0.5 U	0.5 U	0.6 U	1.5 U	NA
Equipment Hinsate	08/25/05	102910-0209	0.096 U	0.3 ქ	2	0.5 U	1,5 U	NA
Equipment Hinsate	10/31/05	102910-0217	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
Equipment Hinsate	11/01/05	102910-0225	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA
I rip Blank	2/23/1998	19951-026	NA	2.0 U	2.0 U	2.0 U	2.0 U	AN
I rip Blank	7/17/1998	19951-108	NA	2.0 U	2,0 U	2.0 U	2.0 U	501
I rip Blank	7/23/1998	19951-0111	NA	2.0 U	2.0 U	2.0 U	2.0 U	5.0 []
Trip Blank	//24/1998	19951-0121	NA	2.0 U	2.0 U	2.0 U	2.0 U	10 ()
I rip Blank	10/14/1998	19951-0176	NA	1.0 U	1.0 U	1.0 U	2.0 U	AN
I rip Blank	10/15/1998	19951-0183	NA	1.0 U	1.0 U	1.0 U	2.0 U	AN
I rip Blank	2/16/1999	19951-0209	NA	0.5 U	0.5 U	0.5 U	1.5 U	] ]
Inp Blank	5/11/1999	19951-0241	NA	0.5 U	0.5 U	0.5 U	5 2 2	) -
I rip Blank	5/12/1999	19951-0250	NA	0.5 U	0.5 U	0.5 U	1.5	2 = 5
Inp Blank	8/3/1999	19951-0269	NA	0.5 U	0.5 U	0.5 U	151	=======================================
Irip Blank	10/20/1999	19951-0308	NA	1.3	1.3	5.4	6.4	1 5
I rip Blank	10/21/1999	19951-0318	NA	0.5 U	0.5 U	0.5 U	1.5 U	38.1
Inp Blank	2/15/2000	19951-0389	NA	0.5 U	0.5 U	0.5 U	1.5 U	

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Method			8015M - TPH	8021B/8260B	8021B/8260B	8021B/8260B	8021B/8260B 8021B/8260B	8021B/8260B
Analyte Unit			Diesel (mq/L)	Benzene (µa/L)	Ethylbenzene (ua/L)	Toluene (ua/L)	Xylenes (total)	MTBE
_ocation	Date	Sample		,			/ 2 2	12.5.1
Code	Sampled	Number					·	
Trip Blank	4/25/2000	19951-0407	NA	0.5 U	0.5 U	0.5 U	1.5 U	1 0
Trip Blank	4/26/2000	19951-0415	NA	0.5 U	0.5 U	0.5 U	1.5 U	n F
Trip Blank	8/25/2000	19951-0464	NA	0.5 U	0.5 U	0.5 U	1.5 U	
Trip Blank	8/31/2000	19951-0472	NA	0.5 U	0.5 U	0,5 U	1.5 U	
Trip Blank	11/22/2000	19951-0544	NA	0.5 U	0.5 U	0.5 U	150	
Trip Blank	11/27/2000	19951-0552	NA	0.5 U	0.5 U	0.5 U	1.5 U	) I
Trip Blank	3/9/2001	823304-0022	NA	0.5 U	0.5 U	0.5 U	1.5 U	5 U
Trip Blank	5/3/2001	823304-0055	NA	0.7	1.6	0.5 U	1.7	
Trip Blank	8/8/2001	823304-0081	NA	0.5 U	0.5 U	0.2 J	1.8	3 J
Irip Blank	10/24/2001	823304-0084	NA	0.5 U	5.0	5 U	5 U	5 U
I rip Blank	3/19/2002	823304-0099	NA	0.5 U	0.8	0.4 J	1.6	NA
Inp Blank	3/20/2002	823304-0102	NA	0.5 U	-	0.4 J	1.5	NA
Trip Blank	3/21/2002	823304-0109	ΝΑ	0.3 ქ	6.0	4	1.6	AN
Irip Blank	5/21/2002	823304-0116	NA	0.5 U	0.8 JB		1 JB	NA
Trip Blank	5/22/2002	823304-0117	NA	0.5 U	1 JB	0.4 JB	- JB	NA
I rip Blank	8/27/2002	823304-0127	NA	0.5 U	0.9 ე	5 U	٦,	NA
I rip Blank	8/28/2002	823304-0135	NA	0.5 U	1 ل	0.8 ქ	J.	NA
I rip Blank	10/23/2002	823304-0140	NA	0.5 U	5 U	5 U	0.5 J	NA
I rip Blank	10/24/2002	823304-0144	NA	0.5 U	0.9 ქ	0.4 J	<del>-</del>	NA A
I rip Blank	3/17/2003	842592-0001	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
Trip Blank	3/18/2003	842592-0006	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
Trip blank	5/14/2003	842592-0022	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
Trip Blank	08/52/03	842592-0033	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
Fig Blank	11/12/03	842592-0061	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
-rip blank	11/13/03	842592-0066	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
I rip Blank	03/15/04	102910-0001	NA	0.5 U	0.9 U	0.5 U	1.5 U	NA
I rip Blank	03/16/04	102910-0008	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
L FID Blank	05/20/04	102910-0031	NA	0.5 U	0.6 U	0.5 U	1.5 U	NA
Filb Blank	05/21/04	102910-0040	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA
I rip blank	08/18/04	102910-0071	NA	0.5 U	1.5 U	0.5 U	3.1 U	NA

Table C-1 Historical Groundwater Summaries - Site 2459, Camp Pendleton

Olisin - IPH 8021B/8260B 8021E Diesel Benzene Ethylb	8021B/8260B   8021B/8260B Ethylbenzene   Toluene	8021B/8260B 8021B/8260B Xvlenes (total) MTBE	8021B/8260B MTBE
(ng/L) (n	(na/L) (na/L)	(ua/l.)	
		/F.3/=/	181
	-		
0.5 11	0511	-	V I V
		0 -	¥N.
		U C; I	NA
0.5 U	0.5 U	1.50	NA
0.5 U.)	0.51[]		VIV
		C) -	¥N.
		0 :	NA.
	U.S. U.S. U	1.5 U	MA
0.5 U	0.511		NIA
		5 4	V.
0.5 U 0			0.5 U

The diesel results for MW-4 and OW-2 collected 3/21/02 appear to be transposed and should be considered suspect. The bottles may have been switched in the field or laboratory. The reported results are inconsistent with historical data and should not be used.

B - positive value was found in method blank

y - fuel pattern for the sample result does not match that of the calibration standard

µg/L - micrograms per liter

E - analysis result is over the calibration range

EPA - U.S. Environmental Protection Agency

J - estimated

M - modified

mg/L - milligrams per liter

MTBE - methyl tert-butyl ether

NA - not analyzed

TPH - total petroleum hydrocarbons

U - not detected above, or equal to, the stated reporting limit

UST - underground storage tank

Table C-2 Historical Groundwater Summaries for Inorganic Analytes - Site 2459, Camp Pendleton

Method			RSK175	EPA 310.1	EPA 353.3/300.0	EPA 300.0	EPA 376.2	EPA 6010B
Analyte			Methane	Alkalinity (as CaCO <sub>3</sub> )	Nitrate/Nitrite	Sulfate	Sulfide	Lead
Unit			(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample	" 2					
Code	Sampled	Number	ļ <u>.</u>					
MW-1	7/23/1998	19951-0119	2.9	NA	39.1	85.5	NA	0.50 U
MW-1	10/14/1998	19951-0182	3.1 B	NA	37.0	85.0	NA	NA
MW-1	2/16/1999	19951-0214	1 U	NA	31.3	81.5	NA NA	NA
MW-1	5/11/1999	19951-0246	8	NA	30.2	95.3	NA NA	NA
MW-1	8/3/1999	19951-0275	3.5	NA NA	26.1	91.7	NA NA	NA
MW-1	10/20/1999	19951-0313	11	NA	28.5	87.6	NA NA	NA NA
MW-1	4/25/2000	19951-0413	1.6	NA NA	36.5	94.2	NA.	NA NA
MW-1 MW-1	8/31/2000	19951-0473	31	NA NA	22.9	94.9	NA NA	NA NA
MW-1	11/27/2000	19951-0554	1.2	NA NA	26.7	95.1	NA NA	NA NA
MW-1	11/27/2000 3/9/2001	19951-0555	75 J 3	NA 361	27.2 24.2	95.7 76	NA NA	NA NA
MW-1	5/3/2001	823304-0025 823304-0059	3 U	363	24.2	83	NA NA	NA NA
MW-1	8/7/2001	823304-0067	6.9	382	23.5	77	NA NA	NA NA
MW-1	10/24/2001	823304-0085	3	382	8.1	98.9 J	NA NA	NA NA
MW-1	3/19/2002	823304-0100	3 U	406	18.2	81.4	NA.	NA NA
MW-1	5/22/2002	823304-0120	3 U	394	23.5	83.4 J	NA NA	NA NA
MW-1	8/27/2002	823304-0128	3 U	392	27.8	86.8	NA NA	NA
MW-1	10/24/2002	823304-0145	3 U	383	27.1	98.6 J	NA	NA
MW-1	3/18/2003	842592-0007	3 U	382	24.4	84.4	NA	NA
MW-1	5/14/2003	842592-0025	3 U	392	30.1	88.4	NA	NA
MW-1	5/14/2003	842592-0026 (Dup)	3 U	382	32.8	88.9	NA	NA
MW-1	8/25/2003	842592-0038	0.73 J	377 J	29.1	89.9	NA	NA.
MW-1	11/13/2003	842592-0068	2.5 J	500	32.2	94.3	NA NA	NA
MW-1	3/16/2004	102910-0009	3 U	417	32.9	91.2	NA	NA
MW-1	5/21/2004	102910-0042	3 U	382	42.8	89.1	NA_	NA
MW-1	8/18/2004	102910-0081	3 U	331	50	109	NA NA	NA
MW-1	11/15/2004	102910-0095	3 U	397	65.6	58.5	NA NA	NA.
MW-1	03/01/05	102910-0129	3 U	402	22.1	89.5	NA_	NA.
MW-1 MW-1	04/26/05	102910-0167	3 U	323	63.4	121	NA NA	NA NA
MW-1	08/24/05 11/01/05	102910-0197	3 U 3 U	327	15.6 52.7	32.9	NA NA	NA NA
MW-2	7/23/1998	102910-0219	0.87 J	314 NA	38.7	65.3 57.5	NA NA	0.50 U
MW-2	10/14/1998	19951-0118 19951-0181	0.48 JB	NA NA	32.3	60.6	NA NA	0.50 U
MW-2	2/16/1999	19951-0213	1.81	NA NA	26.4	64	NA NA	NA NA
MW-2	5/11/1999	19951-0245	1 U	NA NA	37.1	70.4	NA NA	NA
MW-2	8/3/1999	19951-0274	1 U	NA.	38.6	63.4	NA	NA.
MW-2	10/20/1999	19951-0314	1 Ü	NA	34.1	64.1	NA	NA
MW-2	2/15/2000	19951-0384	.61 J	NA	35.2	68	NA.	NA_
MW-2	4/25/2000	19951-0412	1 U	NA	39.9	69.4	NA	NA
MW-2	8/25/2000	19951-0467	1 U	NA	42.0	313	NA	NA
MW-2	11/22/2000	19951-0546	.66 J	NA	44.5	65.3	NA .	NA.
MW-2	3/9/2001	823304-0023	3 U	389	50.9	54	NA	NA
MW-2	3/9/2001	823304-0024	3 U	NA	NA .	NA	NA NA	NA
MW-2	5/3/2001	823304-0060	3 U	424	38.4	61	NA NA	NA
MW-2	8/8/2001	823304-0075	3 U	414	25.3	58	NA	NA
MW-2	10/24/2001	823304-0086	3 U	414	15.0	74.6 J	NA NA	NA NA
MW-2	3/20/2002	823304-0106	3 U	394	19.9	59.2	NA NA	NA NA
MW-2	5/22/2002	823304-0125	3 U	385	56.9	63.0 J	NA NA	NA NA
MW-2 MW-2	8/27/2002	823304-0129	3 U	390	54.0	64.2	NA NA	NA NA
MW-2	10/24/2002	823304-0146	3 U	404	43.9	74.1 J	NA NA	NA NA
MW-2	3/18/2003 3/18/2003	842592-0008	3 U	382	69.3	60.5	NA NA	NA NA
MW-2	5/14/2003	842592-0009 (Dup) 842592-0027	3 U 3 U	392 375	62.1 61.6	55.8 57.9	NA NA	NA NA
MW-2	8/25/2003	842592-0027 842592-0037	3 U	367	63.3	57.9 55.4	NA NA	NA NA
MW-2	11/12/2003	842592-0064	3 U	374	78.2	56.2	NA NA	NA NA
MW-2	3/15/2004	102910-0004	3 U	414	20.6	65.1	. NA	NA NA
MW-2	5/20/2004	102910-0034	3 U	407	65.2	57.4	NA NA	NA NA

Table C-2 Historical Groundwater Summaries for Inorganic Analytes - Site 2459, Camp Pendleton

Method			RSK175	EPA 310.1	EPA 353.3/300.0	EPA 300.0	EPA 376.2	EPA 6010B
Analyte	•	·	Methane	Alkalinity (as CaCO <sub>3</sub> )	Nitrate/Nitrite	Sulfate	Sulfide	Lead
Unit			(μg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date [	Sample	(1-3/-/	(g/ _/	\ <u>y-</u> _/		\ <u>\</u>	
Code	Sampled	Number				•		
MW-2	8/18/2004	102910-0080	3 U	372	76.6	59.5	NA	NA
MW-2	11/15/2004	102910-0096	3 U	389	36.1	97.7	NA	NA
MW-2	02/28/05	102910-0125	3 U	374	48.7	74.9	NA NA	NA NA
MW-2	04/26/05	102910-0161	3 U	407	52,5	60.9	NA NA	NA NA
MW-2	08/25/05	102910-0204	3 U	411	43.4	59.4	NA NA	NA NA
MW-2	11/01/05	102910-0222	3 U	385	49.3 7.9	59.6 171	0.10 U	NA NA
MW-3 MW-3	2/23/1998 7/24/1998	19951-042	6 4.4	NA.	8.8	184	NA	0.50 U
MW-3	4/25/2000	19951-0124 19951-0409	3.3	NA NA	11.9	156	NA NA	NA NA
MW-3	8/31/2000	19951-0475	12	NA NA	11.4	166	NA.	NA
MW-3	8/31/2000	19951-0476	11	NA NA	11.7	167	NA	NA
MW-4	7/24/1998	19951-0122	0.6 J	NA	0.37	192	NA.	0.50 U
MW-4	10/14/1998	19951-0180	0.42 JB	NA	0.040 J	149	NA	NA NA
MW-4	2/16/1999	19951-0211	.568 J	NA	.167	191	NA NA	NA NA
MW-4	5/11/1999	19951-0244	.5 J	NA	.366	210	NA_	NA
MW-4	8/3/1999	19951-0273	<u>1 U</u>	NA	.952	201	NA NA	NA NA
MW-4	10/20/1999	19951-0311	1 U	NA NA	.888	218 246	NA NA	NA NA
MW-4	2/15/2000	19951-0385	1 U	NA NA	1 U	236	NA NA	NA NA
MW-4 MW-4	4/25/2000 8/25/2000	19951-0411 19951-0466	1 U	NA NA	3.77	313	NA NA	NA NA
MW-4	11/27/2000	19951-0553	.35 J	NA NA	6.01	318	NA NA	NA.
MW-4	3/9/2001	823304-0031	3 U	474	5.67	290	NA	NA
MW-4	5/3/2001	823304-0056	3 U	493	1.1	300	NA	NA
MW-4	8/7/2001	823304-0068	3 U	511	1.0	306	NA	NA
MW-4	10/24/2001	823304-0087	3 U	504	1.1	328	NA NA	NA NA
MW-4	3/21/2002	823304-0111	3 U	498	0.29	312	NA NA	NA NA
MW-4	5/22/2002	823304-0119	3 U	484	0.53	276	NA NA	NA NA
MW-4	8/27/2002	823304-0130	3 U	482	1.8	298 258	NA	NA
MW-4	10/23/2002	823304-0141	3 U	465 438	1.3 1.9	188	NA NA	NA NA
MW-4 MW-4	3/17/2003 5/14/2003	842592-0002 842592-0023	3 U 3 U	422	1.66	190	NA_	NA.
MW-4	8/25/2003	842592-0023	3 U	452	1.68	255	NA NA	NA
MW-4	11/12/2003	842592-0063	3 U	457	3.21	257	NA	NA
MW-4	3/15/2004	102910-0002	3 U	530	4.4	231	NA	NA
MW-4	5/20/2004	102910-0032	3 U	501	6.4	242	NA NA	NA
MW-4	8/19/2004	102910-0085	3 U	506	7.6	259	NA_	NA NA
MW-4	11/15/2004	102910-0093	3 U	549	4.4	335	NA_	NA.
MW-4	03/01/05	102910-0130	3 U	520	2.5	329	NA NA	NA NA
MW-4	04/26/05	102910-0169	3 U	548	3.8	552 701	NA NA	NA NA
MW-4	08/25/05	102910-0205	3 U	543 517	17 4.8	608	NA NA	NA NA
MW-4 MW-5	11/01/05 7/24/1998	102910-0223 19951-0123	0.36 J	517 NA	12.0	142	NA NA	0.50 U
MW-5	10/14/1998	19951-0123	270	NA NA	14.6	121	NA NA	NA
MW-5	2/16/1999	19951-0212	116	NA NA	19.8	93.5	NA	NA
MW-5	5/11/1999	19951-0243	200	NA	33	145	NA	NA NA
MW-5	8/3/1999	19951-0272	71	NA	24	120	NA	NA
MW-5	10/20/1999	19951-0312	130	NA	28.8	110	NA NA	NA NA
MW-5	2/15/2000	19951-0386	60	NA	28.7	133	NA NA	NA NA
MW-5	4/25/2000	19951-0410	73	NA	28.9	124	NA NA	NA NA
MW-5	8/25/2000	19951-0465	65	NA NA	20.3	118	NA NA	NA NA
MW-5	11/22/2000	19951-0545	280	NA 480	15.9	126 290	NA NA	NA NA
MW-5	3/9/2001	823304-0030	150	480 326	5. <u>27</u> 2.88	153	NA NA	NA NA
MW-5 MW-5	5/3/2001 5/3/2001	823304-0057 823304-0058	95 87	328	2.89	150	NA NA	NA NA
MW-5	8/7/2001	823304-0058 823304-0069	210	276	2.68	159	NA NA	NA NA
MW-5	10/24/2001	823304-0088 823304-0088	70	248	2.7	157	NA NA	NA
MW-5	3/21/2002	823304-0112	3 U	289	4.0	150	NA	NA

Historical Groundwater Summaries for Inorganic Analytes - Site 2459, Camp Pendleton

Method			RSK175	EPA 310.1	EPA 353.3/300.0	EPA 300.0	EPA 376.2	EPA 6010B
Analyte			Methane	Alkalinity	Nitrate/Nitrite	Sulfate	Sulfide	Lead
			Inclinate	(as CaCO <sub>3</sub> )	Titlato/Titalic	Odnato	Juindo	2000
Unit			(μg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample						
Code	Sampled	Number						
MW-5 MW-5	5/22/2002 8/27/2002	823304-0118	3 U	339	16.1	139	NA NA	NA NA
MW-5	10/23/2002	823304-0132 823304-0142	3 U 3 U	352 276	9.3 8.5	147 140	NA NA	NA NA
MW-5	3/17/2003	842592-0003	1.2 J	332	9.6	141	NA NA	NA NA
MW-5	5/14/2003	842592-0024	1.2 J	335	12.2	139	NA	NA NA
MW-5	8/25/2003	842592-0035	0.8 J	282	8.55	140	NA	NA
MW-5	11/12/2003	842592-0062	3 U	324	11.2	138	NA	. NA
MW-5	3/15/2004	102910-0003	3 U	380	14	137	NA	NA
MW-5	5/20/2004	102910-0033	3 U	352	15.2	130	NA NA	NA NA
MW-5	8/19/2004	102910-0084	3 U	343	18	125	NA NA	NA .
MW-5 MW-5	11/15/2004 03/01/05	102910-0094 102910-0131	3 U 3 U	382 390	14.8 12.7	134 127	NA NA	NA NA
MW-5	04/26/05	102910-0151	3 U	398	13	118	NA NA	NA NA
MW-5	08/25/05	102910-0207	3 U	377	12.8	126	NA NA	NA
MW-5	11/01/05	102910-0224	3 U	377	12.4	127	NA	NA .
OW-1	7/23/1998	19951-0115	3500	NA	0.021 J	0.34	NA NA	0.50 U
OW-1	10/15/1998	19951-0188	2100	NA	2.0 UG	4.0 UG	· NA	NA NA
OW-1	2/16/1999	19951-0217	2120	NA NA	.15	2.01	NA	NA NA
OW-1 OW-1	5/12/1999	19951-0252	1100	NA NA	.1 U	1 U	NA NA	NA NA
OW-1	8/4/1999 10/20/1999	19951-0284	640 695	NA NA	.5 U 2.5 U	1 U 1 U	NA NA	NA NA
OW-1	2/15/2000	19951-0317 19951-0382	830	NA NA	2.5 U	2.72	NA NA	NA NA
OW-1	4/26/2000	19951-0419	1100	NA	.5 U	1 U	NA NA	NA NA
OW-1	8/25/2000	19951-0470	4500	NA	3.23	136	NA	NA
OW-1	11/22/2000	19951-0549	1600	NA	3.64	1.06	NA	NA
OW-1	3/9/2001	823304-0027	1400	417	1.6	8 J	NA:	NA .
OW-1	5/3/2001	823304-0063	710	391	0.24	1.4	NA .	NA NA
OW-1 OW-1	8/8/2001	823304-0071	2300	322	0.1 U	6	NA NA	NA NA
OW-1	10/24/2001 10/24/2001	823304-0089 823304-0090	1000 950	317 317	0.18 0.060 J	6.2 J 6.1 J	NA NA	NA NA
OW-1	3/20/2002	823304-0105	300	272	0.000 J	7.1 J	NA NA	NA NA
OW-1	5/22/2002	823304-0123	800	243	0.17	50 U	NA	NA NA
OW-1	8/27/2002	823304-0133	700	245	0.11	4.6 J	NA	NA
OW-1	10/24/2002	823304-0148	300	261	0.28	. 30.9 J	NA	NA
OW-1	3/18/2003	842592-0011	180	313	0.5 U	42.2	NA NA	. NA
OW-1	5/14/2003	842592-0030	380	236	0.5 U	206	NA -	NA
OW-1	8/25/2003	842592-0040	340	262	0.5 U	112	NA NA	NA NA
OW-1	11/13/2003 3/16/2004	842592-0071 102910-0011	440	221 294	0.5 U 0.81	54.4 141	NA NA	NA NA
OW-1	5/20/2004	102910-0011	7.9	2 <del>94</del> 347	0.58	117	NA NA	NA NA
OW-1	8/19/2004	102910-0088	39	342	0.74	53.1	NA.	NA NA
OW-1	11/15/2004	102910-0100	3 U	452	0.18 J	27.1	NA	NA
OW-1	02/28/05	102910-0122	3 U	316	1.4	43.6	NA	NA
OW-1	04/26/05	102910-0165	3 U	463	4	61.8	NA	NA NA
OW-1	08/25/05	102910-0201	3 U	495	5	44.3	NA NA	NA NA
OW-1 OW-2	10/31/05	102910-0216	3 U	482	1.2	24.2	NA NA	NA O FO LI
OW-2 OW-2	7/23/1998 10/15/1998	19951-0116 19951-0187	5200 2500	NA NA	0.012 J 1.0 U	2.0 2.0 UG	NA NA	0,50 U NA
OW-2	2/17/1999	19951-0167	9410	NA NA	0.5 U	5 U	· NA	NA NA
OW-2	5/11/1999	19951-0248	310	NA NA	0.1 U	1 U	NA NA	NA NA
OW-2	5/11/1999	19951-0249	NA.	NA	NA NA	NA	NA	NA
OW-2	8/3/1999	19951-0277	180 J	NA	0.1 U	1 U	NA	NA
OW-2	10/21/1999	19951-0320	410	NA	0.1 U	1.0	NA	NA NA
OW-2	2/15/2000	19951-0381	940	NA NA	0.1 Ü	1.74	NA NA	NA
OW-2 OW-2	4/26/2000	19951-0418	1300	NA NA	0.5 U	1 U	NA NA	NA NA
OW-2	8/25/2000 11/22/2000	19951-0469	4700	NA NA	3.32	141 18.4	NA NA	NA NA
UVV-Z	11/22/2000	19951-0548	1200	. NA	3.78	18.4	<u>I</u> NA	t NA

Table C-2 Historical Groundwater Summaries for Inorganic Analytes - Site 2459, Camp Pendleton

Method			RSK175	EPA 310.1	EPA 353.3/300.0	EPA 300.0	EPA 376.2	EPA 6010B
Analyte		•	Methane	Alkalinity (as CaCO <sub>3</sub> )	Nitrate/Nitrite	Sulfate	Sulfide	Lead
Unit			(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample	"					
Code	Sampled	Number						
OW-2	3/9/2001	823304-0028	2100	465	0.1 U	5 J	NA	NA
OW-2	5/3/2001	823304-0062	2900	. 565	0.21	1.7	NA	NA
OW-2	8/8/2001	823304-0072	1900	570	0.1 U	6	NA NA	NA NA
OW-2 OW-2	10/24/2001 3/21/2002	. 823304-0091	1700	570	0.1 U 0.1 U	6.2 J	NA NA	NA NA
OW-2	5/21/2002	823304-0110 823304-0114	4400 4300	591 570	0.10	50 U 50 U	NA NA	NA NA
OW-2	8/28/2002	823304-0114 823304-0136	2300	582	1.5	12.4 J	NA NA	NA NA
OW-2	10/24/2002	823304-0150	2900	616	0.22	14.6 J	NA NA	NA NA
OW-2	3/18/2003	842592-0010	1700	477	0.5 U	1.16	NA NA	NA NA
OW-2	5/14/2003	842592-0029	1900	456	0.5 U	21.7	NA NA	NA NA
OW-2	8/25/2003	842592-0041	2300	499	0.5 U	19.4	NA	NA
OW-2	11/13/2003	842592-0067	2800	505	0.5 U	4.08	NΑ	NA
OW-2	3/16/2004	102910-0010	95	561	5	197	NA	NA
OW-2	5/20/2004	102910-0037	87	478	0.58	149	NA	NA
OW-2	8/19/2004	102910-0089	430	468	0.61	109	NA	NA
OW-2	11/15/2004	102910-0099	3 U	556	0.5 U	60.1	NA NA	NA NA
OW-2	02/28/05	102910-0121	7.5	490	4	71.2	NA NA	NA NA
OW-2 OW-2	04/26/05 08/25/05	102910-0163	3 U	422	17.5	137 119	NA NA	NA NA
OW-2	11/01/05	102910-0202 102910-0220	3 U 220	494 480	4.6 2.3	101	NA NA	NA NA
OW-3	7/23/1998	19951-0117	46	- NA	13.5	49.7	NA NA	0.50 U
OW-3	10/15/1998	19951-0186	0.98 JB	NA NA	15.1	50.1	NA NA	NA
OW-3	2/17/1999	19951-0220	4.07	NA NA	12	55.6	NA NA	NA NA
OW-3	5/11/1999	19951-0247	34	NA	13	56.2	NA NA	NA
OW-3	8/3/1999	19951-0276	19	NA	19.9	54.9	NA	NA
OW-3	10/20/1999	19951-0315	2.5	NA	24.7	59.5	NA	NA
OW-3	2/15/2000	19951-0383	. 1.1	NA	31	62.4	NA	NA
OW-3	4/26/2000	19951-0417	1.7	NA NA	24.6	65.3	NA	NA
OW-3	8/25/2000	19951-0468	380	NA NA	9.23	35.0	NA	NA
OW-3	11/22/2000	19951-0547	460	NA Total	6.21	42.5	NA NA	NA NA
OW-3	3/9/2001	823304-0026	380	734	3.37	40 J	NA NA	NA NA
OW-3 OW-3	5/3/2001 8/8/2001	823304-0061 823304-0073	180 42	867 842	0.54 0.46	35 29	NA NA	NA NA
OW-3	10/24/2001	823304-0073	180	902	0.098 J	45.0 J	NA NA	NA NA
OW-3	3/20/2002	823304-0103	610	907	0.71	33.8 J	NA NA	NA NA
OW-3	5/22/2002	823304-0124	710	888	0.51	34.4 J	NA NA	NA
OW-3	8/28/2002	823304-0137	740	838	2.9	57.9 J	NA	NA
OW-3	10/24/2002	823304-0149	720	810	0.81	53.6 J	NA	NA
OW-3	3/18/2003	842592-0012	600	602	1.55	29.6	NA	NA
OW-3	5/14/2003	842592-0028	190	499	14.6	70.1	NA	NA
OW-3	8/25/2003	842592-0039	2,1 J	509	13.5	99	NA NA	NA
OW-3	11/13/2003	842592-0070	3	367	9.24	96.7	NA NA	NA NA
OW-3	3/15/2004 5/20/2004	102910-0006	66	276	8.3	162	NA NA	NA NA
OW-3	8/19/2004	102910-0035 102910-0086	50 190	470 440	7.9 6.5	153 130	NA NA	NA NA
OW-3	11/15/2004	102910-0086	3 U	468	4.1	109	NA NA	NA NA
OW-3	02/28/05	102910-0098	3 U	.478	2.1	93	NA NA	NA NA
OW-3	04/26/05	102910-0162	3 0	346	37	115	NA NA	NA NA
OW-3	08/25/05	102910-0203	3 U	294	73.6	88.9	NA	NA
OW-3	11/01/05	102910-0221	3 U	272	63.5	78.4	NA	NA
RW-1	7/23/1998	19951-0114	5300	NA	0.012 J	0.45	NA	0.50 U
RW-1	10/15/1998	19951-0189	2400	NA	1.0 UG	2.0 UG	NA	NA
RW-1	2/16/1999	19951-0215	1200	NA	0.152	5.37	NA NA	NA NA
RW-1	5/12/1999	19951-0253	1900	NA	0.1 U	1 U	NA NA	NA NA
RW-1 RW-1	8/4/1999	19951-0285	470	NA NA	0.5 U	1 U	NA NA	NA NA
1-€100-1	10/21/1999	19951-0321	1533	NA	0.1 U	1 U	NA.	NA

Table C-2 Historical Groundwater Summaries for Inorganic Analytes - Site 2459, Camp Pendleton

Method			RSK175	EPA 310.1	EPA 353.3/300.0	EPA 300.0	EPA 376.2	EPA 6010B
Analyte			Methane	Alkalinity (as CaCO <sub>3</sub> )	Nitrate/Nitrite	Sulfate	Sulfide	Lead
Unit			(μg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample				_		
Code	Sampled	Number				,	l	
RW-1	4/26/2000	19951-0420	2000	NA	0.5 U	1 U	NA	NA
RW-1	8/31/2000	19951-0474	4800	NA	0.5 U	44.8	NA	NA
RW-1	11/22/2000	19951-0550	3900	NA	3.86	1 U	NA	NA
RW-1	3/9/2001	823304-0029	18	198	1.6	110	NA	NA
RW-1	5/3/2001	823304-0064	27	265	0.1	64	NA	NA
RW-1	8/8/2001	823304-0074	26	230	0.38	36	NA	NA ·
RW-1	10/24/2001	823304-0093	120	313	0.1 U	24.1 J	NA	NA
RW-1	3/20/2002	823304-0104	15	201	0.26	24.0 J	NA	NA
RW-1	5/22/2002	823304-0122	3 U	168	0.54	31.4 J	NA	NA
RW-1	8/28/2002	823304-0138	6	197	3.3	48.6 J	NA	NA
RW-1	10/24/2002	823304-0151	3 U	176	1.4	93.2 J	NA NA	NA
RW-1	3/17/2003	842592-0004	0.83 J	199	1.45	52	ŇA	NA
RW-1	5/14/2003	842592-0031	0.98 J	181	0.874	46	NA	NA
RW-1	8/25/2003	842592-0042	3.4	180	966	35.8	NA NA	NA
RW-1	11/13/2003	842592-0072	1.2 J	219	1.48	51.9	NA	NA
RW-1	3/16/2004	102910-0012	3 U	205	0.63	52.9	NA	NA
RW-1	5/21/2004	102910-0041	3 U	179	0.95 J	341	NA NA	NΑ
RW-1	8/19/2004	102910-0090	7.9	312	0.63	128	NA	NA
RW-1	11/15/2004	102910-0101	3 U	307	0.53	88.5	NA	NA .
RW-1	03/01/05	102910-0128	3 U	210	0.9	142	NA NA	NA
RW-1	04/26/05	102910-0166	3 U	233	1	44.8	NA	NA
RW-1	08/25/05	102910-0200	3 U	293	0.61	28.8	NA	NA
RW-1	10/31/05	102910-0215	3 U	273	0.18 J	24.2	NA NA	NA

B - positive value was found in method blank

EPA - U.S. Environmental Protection Agency

J - estimated

mg/L - milligrams per liter

NA - not analyzed

U - not detected above, or equal to, the stated reporting limit

UST - underground storage tank

μg/L - micrograms per liter

Table C-3 Historical Groundwater Summaries for PAHs - Site 2459, Camp Pendleton

title         Sample         Acenaphr         Acenaphr           sampled         Sampled         LiggL)         (µg/L)         (µg/L)           7/22/1986         19951-0119         10 U         10 U           8/14/2003         842592-0007         1.9 U         3.8 U           8/14/2003         842592-0008         1.9 U         3.8 U           11/13/2003         842592-0008         1.9 U         3.8 U           11/12/2003         842592-0008         1.9 U         3.8 U           11/12/2003         842592-0008         1.9 U         3.8 U           11/12/2003         842592-0008         1.9 U         3.8 U           11/14/2003         842592-0008         1.9 U         3.8 U           11/14/2003         842592-0008         1.9 U	4 4 4 4 4 4 4	the According Bonzo(a) Bonzo(a) Bonzo(b). Bonzo(a h i).		(0)0200	_(0)0000	Ben 20 (h).	Renzola h D.
Charle	Acenaph-	Aceilapii	e de	Delizo(a)-	ביים ביים	fluoranthana	nervlene
Onte         Sampled         (Light)         (Light)         (Light)           Sampled         Number         10 U         10 U         10 U           7723/1986         19561-0119         3.8 U         3.8 U           67/472003         842592-0007         1.9 U         3.8 U           67/472003         842592-0008         1.9 U         3.8 U           7/23/1986         19351-0118         10 U         10 U           7/23/1987         19 U         3.8 U         3.8 U           7/23/1987         842592-0008         1.9 U         3.8 U           8/25/2003         842592-0003         1.9 U         3.8 U           8/14/2003         842592-0003         1.9 U         3.8 U           8/26/2003         1.9 U         3.8 U         3.8 U	thene	mylene (":~"/	Anthracene	anmracene (112/1)	byrene (IId/)	moramarene (n/d)	(IId/I)
Sampled         Number         10 Unit         John Unit           7/22/1988         1/9261-0119         10 U         10 U           7/22/1988         1/9261-0119         19 U         3.8 U           5/14/2003         842592-0026         1.9 U         3.8 U           5/14/2003         842592-0069         1.9 U         3.8 U           5/14/2003         842592-0067         1.9 U         3.8 U           5/14/2003         842592-0067         1.9 U         3.8 U           5/14/2003         842592-0067         1.9 U         3.8 U           5/14/2003         842592-0063         1.9 U         3.8 U           5/14/2003         842592-0063         1.9 U         3.8 U		(49/L)	(H8/F)	(#8/F)	(189 E)	12.51	/m /G m/
7723/1989         19951-0119         10 U         10 U           3/18/2003         842592-0007         1.9 U         3.8 U           5/14/2003         842592-0026         1.9 U         3.8 U           5/14/2003         842592-0026         1.9 U         3.8 U           5/14/2003         842592-0026         1.9 U         3.8 U           11/13/2003         842592-0026         1.9 U         3.8 U           11/13/2003         842592-0026         1.9 U         3.8 U           11/13/2003         842592-0009         1.9 U         3.8 U           11/13/2003         842592-0009         1.9 U         3.8 U           3/18/2003         842592-0009         1.9 U         3.8 U           3/18/2003         842592-0009         1.9 U         3.8 U           3/18/2003         842592-0003         1.9 U         3.8 U           3/14/2003         842592-0003         1.9 U         3.8 U           3/14/2003         842592-0003         1.9 U         3.8 U </th <th>Sample</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Sample						
3/18/2003         842592-0026         1.9 U         3.8 U           6/14/2003         842592-0026         1.9 U         3.8 U           6/14/2003         842592-0026         1.9 U         3.8 U           8/14/2003         842592-0026         1.9 U         3.8 U           11/13/2003         842592-0038         1.9 U         3.8 U           11/13/2003         842592-0039         1.9 U         3.8 U           3/18/2003         842592-0037         1.9 U         3.8		101	1011	10 11	10 U	10 U	10 U
5/14/2003         842592-0025         1:9 U         3.8 U           6/14/2003         842592-0026 (Dup)         1:9 U         3.8 U           8/25/2003         842592-0038         1.9 U         3.8 U           1/1/3/2003         842592-0068         1.9 U         3.8 U           1/1/3/2003         842592-0068         1.9 U         3.8 U           1/1/3/2003         842592-0069         1.9 U         3.8 U           3/18/2003         842592-0069         1.9 U         3.8 U           3/18/2003         842592-0069         1.9 U         3.8 U           8/25/2003         8/25/2003         1.9 U         3.8 U           8/25/2003         8/25/2003         1.9 U         3.8 U           1/1/2/2003         8/25/2003         1.9 U         3.8 U           1/1/2/2003         8/25/2003         1.9 U         3.8 U           1/1/2/2003         8/25/2003         1.9 U         3.8 U           8/25/2003         8/25/2003         1.9 U         3.8 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
5/14/2003         842592-0026 [Dup]         1.9 U         3.8 U           1/1/3/2003         842592-0038         1.9 U         3.8 U           1/1/3/2003         842592-0038         1.9 U         3.8 U           1/1/3/2003         842592-0038 [Dup]         1.9 U         3.8 U           1/1/3/2003         842592-0038 [Dup]         1.9 U         3.8 U           3/18/2003         842592-0039 [Dup]         1.9 U         3.8 U           3/18/2003         842592-0037         1.9 U         3.8 U           8/25/2003         842592-0037         1.9 U         3.8 U           1/1/2/2003         842592-0032         1.9 U         3.8 U           1/1/1/2/2003         842592-0032 <td>_</td> <td>3.8 U</td> <td>0.19 U</td> <td>0.19 U</td> <td>0.19 U</td> <td>0.38 U</td> <td>0,38 U</td>	_	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0,38 U
8PZ5/2003         84259-0068         2 U         3.9 U           11/13/2003         842592-0068         1.9 U         3.8 U           11/13/2003         842592-0068         1.9 U         3.8 U           11/13/2003         842592-0068         1.9 U         3.8 U           3/18/2003         842592-0008         1.9 U         3.8 U           3/18/2003         842592-0008         1.9 U         3.8 U           3/18/2003         842592-0008         1.9 U         3.8 U           3/18/2003         842592-0037         1.9 U         3.8 U           5/14/2003         842592-0037         1.9 U         3.8 U           1/11/2003         842592-0033         1.9 U         3.8 U           1/11/2003         842592-0034         1.9 U         3.8 U           1/11/2003         842592-0035         1.9 U         3.8 U           1/11/2003         842592-0036         1.9 U         3.8 U           1/1/12/2003         842592-0036         1.9 U         3.8 U<		3.8 U	0,19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/13/2003   842592-0068   1.9 U   3.8 U   11/13/2003   842592-0068   1.9 U   3.8 U   1.0 U   1.0 U   3.8 U   1.0 U   3.8 U   1.0 U   3.8 U   3/18/2003   842592-0008   1.9 U   3.8 U   3.8 U   3/18/2003   842592-0009   1.9 U   3.8 U   3.8 U   3/18/2003   842592-0003   1.9 U   3.8 U   3/18/2003   842592-0002   1.9 U   3.8 U   3.8 U   3.8 U   3/18/2003   842592-0002   1.9 U   3.8 U   3.8 U   3.8 U   3/18/2003   842592-0002   1.9 U   3.8 U   3.8 U   3/18/2003   842592-0003   1.9 U   3.8 U   3.8 U   3/18/2003   842592-0001   1.9 U   3.8 U   3.8 U   3/18/2003   842592-0001   1.9 U   3.9 U   3.9 U   3/18/2003   842592-0001   1.9 U   3.9 U   3.9 U   3/18/2003   842592-0001   1.9 U   3.9 U   3.9 U   3/18/2003   842592-0001   3.9 U   3.9 U   3/18/2003   842592-0010   3.9 U   3.9 U   3/18/2003   842592-0010   3.9 U   3.9 U   3/18/2003   842592-0010   3.9 U   3.9 U   3/18/2003   3/18/2003   3/18/2003   3/18/2003   3/18/2003   3/18		390	0.2 U	0.2 U	0,2 U	0.39 U	0.39 U
11/13/2003   842592-0069 (Dun)   1.9 U   3.8 U   10 U	L	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
7/23/1998         19951-0118         10 U         10 U           3/18/2003         842592-0008         1.9 U         3.8 U           3/18/2003         842592-0009         1.9 U         3.8 U           5/14/2003         842592-0037         1.9 U         3.8 U           5/14/2003         842592-0037         1.9 U         3.8 U           11/1/2/2003         842592-0037         1.9 U         3.8 U           11/1/2/2003         842592-0037         1.9 U         3.8 U           11/1/2/2003         842592-0024         1.9 U         3.8 U           11/1/2/2003         842592-0023         1.9 U         3.8 U           11/1/2/2003         842592-0023         1.9 U         3.8 U           11/1/2/2003         842592-0023         1.9 U         3.8 U           11/1/2/2003         842592-0034         1.9 U         3.8 U           11/1/2/2003         842592-0036         1.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
3718/2003         842592-0008         1.9 U         3.8 U           3718/2003         842592-0007         1.9 U         3.8 U           3718/2003         842592-0007         1.9 U         3.8 U           5714/2003         842592-0007         1.9 U         3.8 U           717/12/2003         842592-0064         1.9 U         3.8 U           7724/1998         19961-0124         10 U         10 U           7724/1998         19961-0122         1.9 U         3.8 U           7724/1998         19961-0122         1.9 U         3.8 U           842592-0003         1.9 U         3.8 U         1.0 U           7724/1998         19961-0123         1.9 U         3.8 U           842592-0003         1.9 U         3.8 U         1.0 U           842592-0003         1.9 U         3.8 U         1.0 U           7724/1998         19961-0113         1.9 U         3.8 U           8726/2003         842592-0034         1.9 U         3.8 U           8726/2003         842592-0035         1.9 U         3.8 U           8726/2003         842592-0036         1.9 U         3.8 U           8747/2003         842592-0036         1.9 U         3.8 U		10 U	10 U	10 U	10 N	10 U	10 U
3/18/2003         842592-0037         1.9 U         3.8 U           5/14/2003         842592-0037         1.9 U         3.8 U           6/14/2003         842592-0037         1.9 U         3.8 U           1/1/12/2003         842592-0064         1.9 U         3.8 U           1/1/2/2003         842592-0064         1.9 U         3.8 U           1/1/2/2003         842592-0062         1.9 U         3.8 U           3/1/2003         842592-0023         1.9 U         3.8 U           8/1/2003         842592-0023         1.9 U         3.8 U           8/1/2003         842592-0033         1.9 U         3.8 U           8/1/2003         842592-0033         1.9 U         3.8 U           8/1/2003         842592-0033         1.9 U         3.8 U           8/1/2003         842592-0034         1.9 U         3.8 U           8/1/2003         842592-0035         1.9 U         3.8 U           8/1/2003         842592-0035         1.9 U         3.8 U           8/1/2003         842592-0040         1.9 U         3.8 U           8/1/2003         842592-0040         1.9 U         3.8 U           8/1/2003         842592-0040         1.9 U         3.8 U	_	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0,38 U
5/14/2003         842592-0027         1.9 U         3.8 U           8/25/2003         842592-0037         1.9 U         3.8 U           11/12/2003         842592-0064         1.9 U         3.8 U           11/12/2003         842592-0064         1.9 U         3.8 U           17/24/1998         19951-0124         10 U         10 U           17/24/1998         19951-0122         10 U         3.8 U           17/24/1998         19951-0122         1.9 U         3.8 U           8/25/2003         842592-0023         1.9 U         3.8 U           11/1/2003         842592-0034         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0036         1.9 U         3.8 U           8/25/2003         842592-0036         1.9 U         3.8 U           11/12/2003         842592-0036         1.9 U         3.8 U           11/1/2003         842592-0036         1.9 U         3.8 U <td></td> <td>3,8 U</td> <td>0.19 U</td> <td>0.19 U</td> <td>0.19 U</td> <td>0,38 U</td> <td>0,38 U</td>		3,8 U	0.19 U	0.19 U	0.19 U	0,38 U	0,38 U
8/25/2003         842592-0037         1,9 U         3.8 U           11/12/2003         842592-0064         1.9 U         3.8 U           7/24/1998         19951-0124         10 U         10 U           7/24/1998         19951-0122         10 U         10 U           7/24/1998         19951-0122         10 U         3.8 U           7/24/1998         19951-0122         1.9 U         3.8 U           8/25/2003         8/2592-0023         1.9 U         3.8 U           11/12/2003         8/2592-0024         1.9 U         3.8 U           11/12/2003         8/2592-0034         1.9 U         3.8 U           11/12/2003         8/2592-0035         1.9 U         3.8 U           8/25/2003         8/2592-0036         1.9 U         3.8 U           8/25/2003         8/2592-0041         1.9 U         3.8 U           8/25/2003         8/2592-0041         1.9 U         3.8 U           8/25/2003         8/2592-0041         1.9 U         3.8 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/12/2003         842592-0064         1.9 U         3.8 U           7/24/1998         19951-0124         10 U         10 U           7/24/1998         19951-0122         10 U         10 U           7/24/1998         19951-0122         10 U         3.8 U           8/25/2003         842592-0002         1.9 U         3.8 U           8/25/2003         842592-0023         1.9 U         3.8 U           11/12/2003         842592-0034         1.9 U         3.8 U           8/25/2003         842592-0034         1.9 U         3.8 U           11/12/2003         842592-0033         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0036 (Dup)         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0041         1.9 U		3.8 U	0,19 U	0.19 U	0,19 U	0.38 U	0.38 U
7/24/1998         19951-0124         10 U         10 U           7/24/1998         19951-0122         10 U         10 U           3/17/2003         842592-0002         1.9 U         3.8 U           5/14/2003         842592-0023         1.9 U         3.8 U           6/14/2003         842592-0034         1.9 U         3.8 U           7/24/1998         19951-0123         1.9 U         3.8 U           7/24/1998         19951-0123         1.9 U         3.8 U           7/24/1998         19951-0123         1.9 U         3.8 U           8/25/2003         842592-0063         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           11/1/2/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/1/2/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/1/2/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/1/3/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/1/3/2003         842592-0036 (Dub)		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
7/24/1998         19951-0122         10 U         10 U           3/17/2003         842592-0002         1.9 U         3.8 U           5/14/2003         842592-0023         1.9 U         3.8 U           6/14/2003         842592-0023         1.9 U         3.8 U           1/1/12/2003         842592-0063         1.9 U         3.8 U           1/1/12/2003         842592-0063         1.9 U         3.8 U           3/17/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0026 (Dup)         1.9 U         3.8 U           1/1/12/2003         842592-0036 (Dup)         1.9 U         3.8 U           1/1/12/2003         842592-0036         1.9 U         3.8 U           1/1/12/2003         842592-0002         1.9 U         3.8 U           1/1/13/2003         842592-001         1.9 U </td <td></td> <td>10 U</td> <td>10 U</td> <td>10 U</td> <td>10 U</td> <td>10 U</td> <td>10 U</td>		10 U	10 U	10 U	10 U	10 U	10 U
3/17/2003         842592-0002         1.9 U         3.8 U           6/14/2003         842592-0023         1.9 U         3.8 U           8/25/2003         842592-0024         1.9 U         3.8 U           11/12/2003         842592-0063         1.9 U         3.8 U           11/12/2003         842592-0063         1.9 U         3.8 U           3/17/2003         842592-0003         1.9 U         3.8 U           8/25/2003         842592-0003         1.9 U         3.8 U           8/25/2003         842592-0003         1.9 U         3.8 U           8/25/2003         842592-0003         1.9 U         3.8 U           11/12/2003         842592-0003         1.9 U         3.8 U           11/12/2003         842592-0003         1.9 U         3.8 U           11/13/2003         842592-001         1.9 U         3.8 U           11/1/3/2003         842592-001         1.9 U         3.8		10 U	10 0	10 U	10 U	10 U	10 U
5/14/2003         842592-0023         1.9 U         3.8 U           8/25/2003         842592-0034         1.9 U         3.8 U           1/1/12/2003         842592-0063         1.9 U         3.8 U           3/17/2003         842592-0063         1.9 U         3.8 U           3/17/2003         842592-0024         1.9 U         3.8 U           3/17/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           1/1/12/2003         842592-0036 (Dup)         1.9 U         3.8 U           1/1/13/2003         842592-0011         1.9 U         3.8 U           1/1/13/2003         842592-0011         1.9 U         3.8 U           1/1/13/2003         842592-0010         1.9 U         3.8 U           1/1/13/2003         842592-0010         1.9 U         3.8 U           1/1/13/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010 <th< td=""><td></td><td>3.8 U</td><td>0,19 U</td><td>0.19 U</td><td>0,19 U</td><td>0.38 U</td><td>0,38 U</td></th<>		3.8 U	0,19 U	0.19 U	0,19 U	0.38 U	0,38 U
8/25/2003         842592-0034         1.9 U         3.8 U           11/12/2003         842592-0063         1.9 U         3.8 U           7/24/1998         19951-0123         10 U         10 U           3/17/2003         842592-00034         1.9 U         3.8 U           8/25/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0003C (Dup)         1.9 U         3.8 U           11/13/2003         842592-0002         1.9 U         3.8 U           11/13/2003         842592-001         1.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/12/2003         842592-0063         1.9 U         3.8 U           7/24/1998         19951-0123         10 U         10 U           3/17/2003         842592-00024         1.9 U         3.8 U           8/25/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0002         1.9 U         3.8 U           11/12/2003         842592-0002         1.9 U         3.8 U           11/13/2003         842592-0011         1.9 U         3.8 U           8/25/2003         842592-0011         1.9 U         3.8 U           11/13/2003         842592-0011         1.9 U         3.8 U           11/13/2003         842592-0010         3.9 U <td></td> <td>3.8 U</td> <td>0,19 U</td> <td>0,19 U</td> <td>0,19 U</td> <td>0,38 U</td> <td>0,38 U</td>		3.8 U	0,19 U	0,19 U	0,19 U	0,38 U	0,38 U
7/24/1998         19951-0123         10 U         10 U           3/17/2003         842592-00024         1.9 U         3.8 U           5/14/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0036 (Dup)         1.9 U         3.8 U           11/12/2003         842592-0002         1.9 U         3.8 U           7/23/1998         19951-0115         10 U         10 U           3/18/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0010         1.9 U         3.8 U           11/13/2003         842592-0010         1.9 U         3.8 U           11/13/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         3.9 U         3.8 U           8/25/2003         842592-0010         3.9 U         3.		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
3/17/2003         842592-0003         1.9 U         3.8 U           5/14/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           1/1/2/2003         842592-0036 (Dup)         1.9 U         3.8 U           1/1/2/2003         842592-0062         1.9 U         3.8 U           1/1/2/2003         842592-0011         1.9 U         3.8 U           3/18/2003         842592-0011         1.9 U         3.8 U           8/25/2003         842592-0030         1.9 U         3.8 U           1/1/3/2003         842592-0040         1.9 U         3.8 U           1/1/3/2003         842592-0010         1.9 U         3.8 U           1/1/3/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         2.9 U         3.9 U           8/25/2003         842592-0041         2.9 U         3.9 U		10 U	10 0	10 U	10 U	10 U	10 U
5/14/2003         842592-0024         1.9 U         3.8 U           8/25/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0036 (Dub)         1.9 U         3.8 U           1/1/2/2003         842592-0062         1.9 U         3.8 U           7/23/1998         19951-0115         10 U         10 U           3/18/2003         842592-0011         1.9 U         3.8 U           8/25/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           1/1/3/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         2.0 U         3.9 U		3.8 U	0.19 U	0,19 U	0.19 U	0.38 U	0.38 U
8/25/2003         842592-0035         1.9 U         3.8 U           8/25/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/12/2003         842592-0062         1.9 U         3.8 U           7/23/1998         19851-0115         10 U         10 U           3/18/2003         842592-0011         1.9 U         3.8 U           8/25/2003         842592-0030         1.9 U         3.8 U           11/13/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         1.9 U         3.8 U           3/18/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         2 U         3.9 U		3.8 U	0,19 U	0.19 U	0,19 U	0.38 U	0,38 U
8/25/2003         842592-0036 (Dub)         1.9 U         3.8 U           11/12/2003         842592-0062         1.9 U         3.8 U           7/23/1998         19951-0115         10 U         10 U           3/18/2003         842592-0011         1.9 U         3.8 U           5/14/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0010         2 U         3.8 U           11/13/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         2 U         3.9 U	_	3.8 U	0,19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/12/2003         842592-0062         1.9 U         3.8 U           7/23/1998         19951-0115         10 U         10 U           3/18/2003         842592-0011         1.9 U         3.8 U           8/18/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0010         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         2 U         3.8 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
7/23/1998         19951-0115         10 U         10 U           3/18/2003         842592-0011         1.9 U         3.8 U           5/14/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0041         2 U         3.8 U		3,8 U	0,19 U	0,19 U	0,19 U	0,38 U	0,38 U
3/18/2003         842592-0011         1.9 U         3.8 U           5/14/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0041         2 U         3.9 U		10 U	10 U	10 U	10 U	10 U	10 U
5/14/2003         842592-0030         1.9 U         3.8 U           8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0041         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0041         2 U         3.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
8/25/2003         842592-0040         1.9 U         3.8 U           11/13/2003         842592-0071         1.9 U         3.8 U           7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0049         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0041         2 U         3.9 U	(	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/13/2003     842592-0071     1.9 U     3.8 U       7/23/1998     19951-0116     10 U     10 U       3/18/2003     842592-0010     1.9 U     3.8 U       5/14/2003     842592-0029     1.9 U     3.8 U       8/25/2003     842592-0041     1.9 U     3.8 U       11/13/2003     842592-0067     2 U     3.9 U		3.8 U	0,19 U	0.19 U	0.19 U	0.38 U	0.38 U
7/23/1998         19951-0116         10 U         10 U           3/18/2003         842592-0010         1.9 U         3.8 U           5/14/2003         842592-0029         1.9 U         3.8 U           8/25/2003         842592-0041         1.9 U         3.8 U           11/13/2003         842592-0067         2 U         3.9 U		3.8 U	0.19 U	0:19 U	0.19 U	0.38 U	0.38 U
3/18/2003     842592-0010     1.9 U     3.8 U       5/14/2003     842592-0029     1.9 U     3.8 U       8/25/2003     842592-0041     1.9 U     3.8 U       11/13/2003     842592-0067     2 U     3.9 U		10 1	10 U	10 U	10 C	10 U	10 U
5/14/2003     842592-0029     1.9 U     3.8 U       8/25/2003     842592-0041     1.9 U     3.8 U       11/13/2003     842592-0067     2 U     3.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
8/25/2003 842592-0041 1.9 U 3.8 U 3.8 U 3.9 U 11/13/2003 842592-0067 2 U 3.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
11/13/2003 842592-0067 2 U 3.9 U		3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
		3.9 U	0.2 U	0.2 U	0.2 U	0.39 U	0.39 U
OW-3 7/23/1998 19951-0117 10 U 10 U 10		10 U	10 N	10 O	10 O	10 O	10 U

Table C-3 Historical Groundwater Summaries for PAHs - Site 2459, Camp Pendleton

Method			EPA 8270C/8310 Acenaph-	EPA 8270C/8310 Acenaph-	EPA 8270C/8310	3C/8310  EPA 8270C/8310  EPA 8	EPA 8270C/8310 Benzo(a)-	EPA 8270C/8310 Benzo(b)-	EPA 8270C/8310 Benzo(q,h,i)-
Analyte			thene	thylene	Anthracene	anthracene	pyrene	fluoranthene	perylene
Unit			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
OW-3	3/18/2003	842592-0012	1.9 U	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
S-MO	5/14/2003	842592-0028	1.9 U	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0,38 U
OW-3	8/25/2003	842592-0039	1.9 U	3.8 ∪	0,19 U	0.19 U	0,19 U	0.38 U	0.38 U
OW-3	11/13/2003	842592-0070	1,9 U	3.8 U	0,19 U	0.19 U	0,19 U	0.38 U	0.38 U
RW-1	2/23/1998	19951-0114	10.U	U 01	10 U	U 01	10 U	10 U	10 U
RW-1	3/17/2003	842592-0004	1.9 U	3.8 U	0.19 U	0,19 U	0,19 U	U 86.0	0.38 U
RW-1	5/14/2003	842592-0031	1.9 U	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U
RW-1	8/25/2003	842592-0042	Ú 6.1	3.8 U	0,19 U	0,19 U	0,19 U	U 86.0	0.38 U
RW-1	11/13/2003	842592-0072	U 6.1	3.8 U	0.19 U	0.19 U	0 19 U	U 85.0	0.38 U
Equipment Rinsate	3/18/2003	842592-0013	Ú 6.1	3.8 U	0,19 U	U 61.0	0,19 U	0.38 U	0.38 U
Equipment Rinsate	5/14/2003	842592-0032	U 6.1	3,8 U	0.19 U	0.19 U	0.19 U	0.38 U	0,38 U
Equipment Rinsate	8/25/2003	842592-0043	N 61	3,8 U	0.19 U	0.19 U	0,19 U	U 86.0	0.38 U
Equipment Rinsate	11/12/2003	842592-0065	U 6.1	3.8 U	0,19 U	0,19 U	0,19 U	0.38 U	0.38 U
Equipment Rinsate	11/13/2003	842592-0073	U 9.1	3.8 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U

Table C-3
Historical Groundwater Summaries for PAHs - Site 2459, Camp Pendleton

							1		
Method			EPA 8270C/8310 Benzo(k)-	EPA 8270C/8310	EPA 8270C/8310 Dibenzo(a,h)-	EPA 82/0C/8310	EPA 8270C/8310	EPA 8270C/8310	EPA 8270C/8310
Analyte			fluoranthene	Chrysene	anthracene	Fluoranthene	Fluorene	cd)pyrene	Naphthalene
Unit			(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(hg/L)	(μg/L)
Location Code	Date	Sample				-			
MW-1	7/23/1998	19951-0119	101	10 1	10.11	II OF	10 11	10 01	10 11
MW-1	3/18/2003	842592-0007	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-1	5/14/2003	842592-0025	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-1	5/14/2003	842592-0026 (Dup)	0,19 U	0,19 U	0.38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-1	8/25/2003	842592-0038	0.2 U	0.2 U	0.39 U	0.39 U	0.39 U	0.2 U	0.2 U
MW-1	11/13/2003	842592-0068	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0.19 U
MW-1	11/13/2003	842592-0069 (Dup)	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0,19 U
MW-2	7/23/1998	19951-0118	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MW-2	3/18/2003	842592-0008	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-2	3/18/2003	842592-0009 (Dup)	0.19 U	0.19 U	0,38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-2	5/14/2003	842592-0027	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	1,9 U
MW-2	8/25/2003	842592-0037	0.19 U	0.19 U	0.38 U	0.38 ∪	0.38 U	0.19 U	0.19 U
MW-2	11/12/2003	842592-0064	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0.19 U
MW-3	7/24/1998	19951-0124	10 U	10 U	10 U	10 U	10 U	10 0	10 U
MW-4	7/24/1998	19951-0122	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MW-4	3/17/2003	842592-0002	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0,19 U	1.9 U
MW-4	5/14/2003	842592-0023	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	1.9 U
MW-4	8/25/2003	842592-0034	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0.19 U
MW-4	11/12/2003	842592-0063	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0,19 U	0.19 U
MW-5	7/24/1998	19951-0123	10 U	10 U	10 U	10 U	10 Ú	10 U	10 U
MW-5	3/17/2003	842592-0003	0.19 U	0.19 U	0,38 U	0.38 U	0,38 U	0.19 U	1.9 U
MW-5	5/14/2003	842592-0024	0.19 U	0,19 U	0.38 U	0.38 U	0.38 U	0,19 U	1,9 U
MW-5	8/25/2003	842592-0035	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0.19 U
MW-5	8/25/2003	842592-0036 (Dup)	0.19 U	0.19 U	0.38 U	0.38 U	0,38 U	0.19 U	0.19 U
MW-5	11/12/2003	842592-0062	0,19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.19 U	0.19 U
OW-1	7/23/1998	19951-0115	10 U	10 U	10 U	10 U	12	10 U	99
OW-1	3/18/2003	842592-0011	0.19 U	0.19 U	0.38 U	3.3	4.3	0.19 U	1.9 U
OW-1	5/14/2003	842592-0030	0.19 U	0.19 U	0.38 U	1.8	3.2	0.19 U	1.9 U
OW-1	8/25/2003	842592-0040	0.19 U	0.19 U	0.38 U	0.38 U	2.5	0.19 U	0.19 U
OW-1	11/13/2003	842592-0071	0.19 U	0,19 U	0.38 U	0.38 U	3.8	0.19 ∪	0.19 U
OW-2	7/23/1998	19951-0116	10 U	10 U	10 U	10 U	2.2 J	10 U	88
OW-2	3/18/2003	842592-0010	0.19 U	0.19 U	0.38 U	1.6	2.2	0.19 U	1.9 U
OW-2	5/14/2003	842592-0029	0.19 U	0.19 U	0.38 U	0.5	3.4	0.19 U	1.9 U
OW-2	8/25/2003	842592-0041	0.19 U	0.19 U	0.38 U	0.38 U	5.4	0.19 U	0.19 U
OW-2	11/13/2003	842592-0067	0.2 U	0.2 U	0.39 U	0.27 J	4.3	0.2 U	0.2 U
OW-3	7/23/1998	19951-0117	10 O	10 U	10 U	10 U	10 U	10 C	10 U

Historical Groundwater Summaries for PAHs - Site 2459, Camp Pendleton Table C-3

EPA 8270C/8310| EPA 8270C/8310 | EPA 8270C/8310 | EPA 8270C/8310 | EPA 8270C/8310 | EPA 8270C/8310

Naphthalene (µg/L)

Indeno(1,2,3cd)pyrene

> Fluorene (µg/L)

Fluoranthene

Dibenzo(a,h)anthracene

> Chrysene  $(\mu g/L)$

fluoranthene Benzo(k)-

Analyte

Sit

Method

(µg/L)

0.19 U 0.19 U 0.19 U

EPA 8270C/8310

0.19 U 0.19 U 0.19 U

(ng/L)

(µg/L)

 $(\mu g/L)$ 

0.19 (

0,19 U 0.19 U 0.19 U

0.19 (

0.38

00000

0.38 L 0.38

0.38 U

0.38 U

0.19 U 0.19 U

0.49 U

0.19 U

0.19 U 0.19 U 0.19 U

3/18/2003 5/14/2003 842592-0043

Equipment Rinsate Equipment Rinsate uipment Rinsate **aulpment Rinsate** ment Rinsate

0.19 U

0,19 U

0.38 U 0.38 U

0.19 U 0.19 U 유 0.19 U 0.19 U

6.7 J 0.38 U

0.38 U

0.38 U 0.38 U

0.38 U 0.38 U 0.38 U 0.38 U

0.38 U

0.19 U 0.19 U 0.19 U

0.19 U 0.19 U

42592-0004

42592-0042 842592-0013

0.19 U

0.38 U

0.38 U 0.38 U 0.38 U

0.38 U 0.38 U 0.38 U 0.38 U

0.38 U

0.38 U 0.38 U

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10 U 0.38 U

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10 01

0.19 U

0.19 U

842592-0070 19951-0114

842592-0039

0.19 [

Document Control Number EAR-0007 Revision 0 - January 15, 2006

Table C-3 Historical Groundwater Summaries for PAHs - Site 2459, Camp Pendleton

Method           Analyte         Date           Code         Sampled           MW-1         7/23/1998           MW-1         7/23/1998           MW-1         3/14/2003           MW-1         5/14/2003           MW-1         1/1/3/2003           MW-1         1/1/3/2003           MW-2         3/18/2003           MW-2         3/18/2003           MW-2         3/18/2003           MW-2         3/14/2003           MW-2         3/17/2003           MW-4         1/1/2/2003           MW-4         3/17/2003           MW-4         3/17/2003           MW-5         5/14/2003           MW-4         3/17/2003           MW-5         1/1/2/2003           MW-6         3/17/2003           MW-7 <th>Sample Number 19851-0119 842592-0027 842592-0026 842592-0038 842592-0038 842592-0038 842592-0039 842592-0000</th> <th>EPA 8270C/8310  Phenanthrene (μg/L)  10 U 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U</th> <th>EPA 8270C/8310 Pyrene (µg/L)</th> <th>EPA 8270C/8310 2-Chloro- naphthalene</th> <th>EPA 8270C/8310 2-Methyl- naphthalene</th>	Sample Number 19851-0119 842592-0027 842592-0026 842592-0038 842592-0038 842592-0038 842592-0039 842592-0000	EPA 8270C/8310  Phenanthrene (μg/L)  10 U 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U	EPA 8270C/8310 Pyrene (µg/L)	EPA 8270C/8310 2-Chloro- naphthalene	EPA 8270C/8310 2-Methyl- naphthalene
Date Sampled 7/23/1998 3/18/2003 5/14/2003 5/14/2003 5/14/2003 5/14/2003 11/13/2003 11/13/2003 11/13/2003 11/12/2003	Sample Number 19951-0119 842592-0007 842592-0025 2592-0026 (Dup) 842592-0038 842592-0038 842592-0038 842592-0038 842592-0038 842592-0009 (Dup) 19951-0118 842592-0009 (Dup)	Phenanthrene (µg/L)  10 U 0.19 U 0.19 U 0.19 U 0.19 U	Pyrene (µg/L)	naphthalene	naphthalene
Date Sampled 7723/1998 3/18/2003 5/14/2003 5/14/2003 11/13/2003 11/13/2003 11/13/2003 11/13/2003 11/12/2003	Sample Number 19951-0119 842592-0005 842592-0026 842592-0026 842592-0038 842592-0069 (Dup) 19951-0118 842592-0009 (Dup) 2592-0009 (Dup)	10 0 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U 0.19 U 0.2 U	(µg/L)	-	
Date Sampled 7/23/1998 3/18/2003 5/14/2003 5/14/2003 5/14/2003 11/13/2003 11/13/2003 11/13/2003 11/12/2003	Sample Number 19951-0119 842592-0007 842592-0025 842592-0026 842592-0038 842592-0038 842592-0068 2592-0068 2592-0068 842592-0008 842592-0008 842592-0008	0.19 U 0.19 U 0.19 U 0.19 U		(µg/L)	(µg/L)
7/23/1998 3/18/2003 5/14/2003 5/14/2003 11/13/2003 11/13/2003 11/12/2003	19951-0119 842592-0007 842592-0007 842592-0025 2592-0026 [Dup) 842592-0069 [Dup) 19951-0118 842592-0009 [Dup) 25922-0009 [Dup) 842592-0009 [Dup)	0.19 U 0.19 U 0.19 U 0.2 U			
3/18/2003 5/14/2003 5/14/2003 11/13/2003 11/13/2003 11/13/2003 11/13/2003 3/18/2003 3/18/2003 3/18/2003 11/12/2003	842592-0007 842592-0025 2592-0026 (Dup) 842592-0038 842592-0068 842592-0069 (Dup) 19951-0118 842592-0009 (Dup) 2592-0009 (Dup) 842592-0009 (Dup)	0.19 U 0.19 U 0.2 U 1.91 U	10 U	10 U	10 U
5/14/2003 5/14/2003 8/25/2003 11/13/2003 11/13/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003 3/17/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003	842592-0025 2592-0026 [Dup] 842592-0038 842592-0068 2592-0069 [Dup] 19951-0118 842592-0009 [Dup] 2592-0009 [Dup] 842592-0009 [Dup]	0.19 U 0.19 U 0.2 U	0.19 U	NA	NA
5/14/2003 8/25/2003 11/13/2003 11/13/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 3/17/2003 11/12/2003 11/12/2003 3/18/2003 3/18/2003	2592-0026 (Dup) 842592-0038 842592-0038 842592-0069 (Dup) 19951-0118 842592-0009 (Dup) 842592-0009 842592-0007	0.19 U 0.2 U 0.19 U	0,19 U	NA	NA
8/25/2003 11/13/2003 11/13/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/17/2003 3/18/2003	842592-0038 842592-0068 2592-0069 (Dup) 19951-0118 842592-0008 2592-0009 (Dup) 842592-0027	0.2 U	0.19 U	NA	NA
11/13/2003 7/23/1998 3/18/2003 3/18/2003 3/18/2003 3/18/2003 11/12/2003 11/12/2003 5/14/2003 8/25/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 11/12/2003 3/17/2003 3/17/2003 3/17/2003 3/18/2003 3/18/2003	2592-0068 2592-0069 (Dup) 19951-0118 842592-0008 2592-0009 (Dup) 842592-0027	0.1911	0.2 U	NA	NA
11/13/2003 7/23/1998 3/18/2003 3/18/2003 3/18/2003 11/12/2003 11/12/2003 7/24/1998 3/17/2003 7/24/1998 3/17/2003 11/12/2003 11/12/2003 11/12/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003	2592-0069 (Dup) 19951-0118 842592-0008 2592-0009 (Dup) 842592-0027	V-10 V	0.19 U	NA.	NA
7/23/1998 3/18/2003 3/18/2003 5/14/2003 6/14/2003 1/1/2/2003 7/24/1998 3/17/2003 7/24/1998 3/17/2003 7/24/1998 3/17/2003 11/12/2003 11/12/2003 11/12/2003 3/18/2003 3/18/2003 3/18/2003	19951-0118 842592-0008 2592-0009 (Dup) 842592-0027	0.19 U	0,19 U	NA	NA
3/18/2003 3/18/2003 5/14/2003 6/14/2003 1/1/2/2003 1/1/2/2003 1/1/2/2003 1/1/2/2003 1/1/2/2003 8/25/2003 1/1/2/2003 1/1/2/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003	842592-0008 2592-0009 (Dup) 842592-0027	10 U	10 U	10 U	10 U
3/18/2003 5/14/2003 8/25/2003 11/12/2003 7/24/1998 3/17/2003 6/14/2003 8/25/2003 11/12/2003 8/25/2003 11/12/2003 11/12/2003 3/18/2003 3/18/2003 3/18/2003 3/18/2003	2592-0009 (Dup) 842592-0027	0,19 U	0 19 U	NA	NA
5/14/2003 8/25/2003 11/12/2003 7/24/1998 3/17/2003 8/25/2003 11/12/2003 5/14/2003 8/25/2003 11/12/2003 11/12/2003 3/17/2003 3/18/2003 3/18/2003 3/18/2003	842592-0027	0.19 U	0.19 U	NA	NA
8/25/2003 11/12/2003 7/24/1998 7/24/1998 3/17/2003 8/25/2003 11/12/2003 5/14/2003 8/25/2003 11/12/2003 3/17/2003 3/18/2003 3/18/2003 3/18/2003	7000 00200	0.19 U	0.19 U	NA	NA
11/12/2003 7/24/1998 7/24/1998 3/17/2003 8/25/2003 11/12/2003 5/14/2003 8/25/2003 11/12/2003 3/17/2003 3/17/2003 3/18/2003 3/18/2003	04508Z-003/	0,19 U	0.19 U	ΝA	NA
7/24/1998 7/24/1998 3/17/2003 8/25/2003 11/12/2003 5/14/2003 8/25/2003 11/12/2003 3/18/2003 3/18/2003 3/18/2003	842592-0064	0.19 U	0.19 U	NA	NA
7/24/1998 3/17/2003 5/14/2003 11/12/2003 7/24/1998 3/17/2003 6/14/2003 8/25/2003 11/12/2003 3/18/2003 3/18/2003	19951-0124	10 U	10 U	U 01	10 U
3/17/2003 5/14/2003 8/25/2003 1/1/12/2003 3/17/2003 5/14/2003 8/25/2003 1/1/12/2003 3/18/2003	19951-0122	10 U	10 U	U 01	10 U
5/14/2003 8/25/2003 11/12/2003 7/24/1998 3/17/2003 5/14/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0002	0.19 U	0.19 U	NA	NA
8/25/2003 11/12/2003 7/24/1998 3/17/2003 5/14/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0023	0.19 U	0,19 U	NA	NA
11/12/2003 7/24/1998 3/17/2003 5/14/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0034	0.19 U	0.19 U	NA	NA
7/24/1998 3/17/2003 5/14/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0063	0.19 U	0.19 U	NA	NA
3/17/2003 5/14/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	19951-0123	10 U	10 U	10 U	10 U
5/14/2003 8/25/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0003	0.19 U	0,19 U	NA	NA
8/25/2003 8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0024	0,19 U	0.19 U	NA	NA
8/25/2003 11/12/2003 7/23/1998 3/18/2003	842592-0035	0.19 U	0.19 U	NA	NA
11/12/2003 7/23/1998 3/18/2003	842592-0036 (Dup)	0.19 U	0.19 U	NA	NA
	842592-0062	0.19 U	0.19 U	NA	NA
	19951-0115	13	10 U	0 OF	78
	842592-0011	0.19 U	0.19 U	WAN	NA
	842592-0030	0.19 U	0.19 U	NA	NA
-	842592-0040	0.19 U	0.19 U	NA	NA
	842592-0071	0.19 U	0.19 U	NA	NA
	19951-0116	2,2 J	10 U	10 U	8.9 J
OW-2 3/18/2003	842592-0010	0.19 U	0.19 U	NA	NA
	842592-0029	0,19 U	0.19 U	NA	NA
_	842592-0041	0,19 U	0.19 U	NA	NA
	842592-0067	0.2 U	0,2 U	NA	NA
OW-3 7/23/1998	19951-0117	10 U	10 U	10 U	10 U

Method			EPA 8270C/8310	EPA 8270C/8310	EPA 8270C/8310 2-Chloro-	EPA 8270C/8310 2-Methyl-
Analyte	,		Phenanthrene	Pyrene	naphthalene	naphthalene
Unit			(µg/L)	(hg/L)	(μg/L)	(µg/L)
DW-3	3/18/2003	842592-0012	0.19 U	U 61.0	NA	٨N
OW-3	5/14/2003	842592-0028	U 61.0	0.19 U	NA	NA
OW-3	8/25/2003	842592-0039	0,19 U	0,19 U	W N	AN
OW-3	11/13/2003	842592-0070	0.19 U	0.19 U	NA NA	NA
RW-1	7/23/1998	19951-0114	6.8 J	10 U	N 01	78
RW-1	3/17/2003	842592-0004	0,19 U	0.19 U	NA	NA
RW-1	5/14/2003	842592-0031	0,19 U	0.19 U	VN N	NA
RW-1	8/25/2003	842592-0042	0.19 U	0.19 U	۷N	NA
RW-1	11/13/2003	842592-0072	0.19 U	0.19 U	۷N	NA
Equipment Rinsate	3/18/2003	842592-0013	0.19 U	0.19 U	NA NA	NA
Equipment Rinsate	5/14/2003	842592-0032	0.19 U	0.19 U	ΥN	NA
Equipment Rinsate	8/25/2003	842592-0043	0.19 U	U 61.0	NA	NA
Equipment Rinsate	11/12/2003	842592-0065	0.19 U	0,19 U	NA	NA
Equipment Rinsate	11/13/2003	842592-0073	0.19 U	0.19 U	NA	NA
			ED4 - 11 S Environmental Protection Agency	Schon Against		

EPA - U.S. Environmental Protection Agency J - estimated

PAHs - polycyclic aromatic hydrocarbons U - not detected above, or equal to, the stated reporting limit

UST - underground storage tank

μg/L - micrograms per liter

Table C-4 Historical Summary of Field Monitoring Results - UST Site 2459

<u> </u>		Dissolved Oxygen	Electrical Conductivity	Ferrous Iron	Oxidation- Reduction Potential	Water Temperature
Well	Date	(mg/L)	(mS/cm)	(mg/L)	(mV)	(°C)
MW-1	7/23/1998	0.25	2.02	ND	+205	23.5
MW-1	10/14/1998	1.43	1.98	ND ND	+185	21.1
MW-1	2/15/1999	0.57	1.89	ND	+103	20.8
MW-1	5/10/1999	0.64	1.88	ND ND	+162	22
MW-1	8/2/1999	0.57	1.89	ND ND	+124	23.9
MW-1	10/19/1999	1.09	1.8	ND	+110	21.4
MW-1	2/15/2000	NM	NM	NM	NM	NM
MW-1	4/24/2000	2.09	1.81	ND	+145	22.8
MW-1	8/31/2000	2.28	1.77	ND	+34.6	23.08
MW-1	11/22/2000	9.66	1.944	ND	+44,2	20.69
MW-1	3/9/2001	4.59	1.90	ND	+101.2	16.9
MW-1	4/30/2001	5.03	2.06	ND	+251.2	17.6
MW-1	8/7/2001	4.72	1.86	ND	+479.1	23.8
MW-1	10/22/2001	5.09	1.85	ND	+112.0	20.9
MW-1	3/19/2002	2.24	1.99	ND	+21.0	22.90
MW-1	5/22/2002	5.50	1.48	ND	+197	23.87
MW-1	8/27/2002	4.50	1.83	ND	+166	24.09
MW-1	11/1/2002	5.09	1.67	ND	+102.6	22.78
MW-1	3/18/2003	4.68	1.66	ND	+261	23.1
MW-1	5/14/2003	4.04	1.61	ND	+131	20.9
MW-1	8/25/2003	3.93	1.65	ND	+184	26.29
MW-1	11/13/2003	3.68	1.61	ND	+332	22.18
MW-1	3/16/2004	2.92	1.97	ND	+232	21.85
MW-1	5/21/2004	3.95	1.96-	ND	+247	22.92
MW-1	8/18/2004	3.68	1.89	ND	+312	28.50
MW-1	11/15/2004	3.57	1.57	ND	+73	27.10
MW-1	3/1/2005	3.43	1.55	ND	+39	21.12
MW-1	4/26/2005	0.70	2.14	ND	-95	23.19
MW-1	8/24/2005	5.04	2.14	ND	-6	25.23
MW-1	11/1/2005	5.21	2.43	ND -	+44	23.25
MW-2	7/23/1998	0.5	2.04	ND	+144	23.8
MW-2	10/14/1998	3.17	2.03	ND	+170	21.2
MW-2	2/15/1999	0.44	1.95	ND	+110	20.3
MW-2	5/10/1999	0.72	1.93	ND	+147	22.8
MW-2	8/2/1999	0.76	2.08	ND	+154	24.3
MW-2	10/19/1999	0.97	1.86	NĐ	+120	23.1
MW-2	2/15/2000	1.64	2.00	ND	+146	21.2
MW-2	4/24/2000	0.64	1.84	ND	+136	23.7
MW-2	8/25/2000	0.83	2.07	ND	+216.4	23.1
MW-2	11/22/2000	NM	2.09	ND	+69.4	20.34
MW-2	3/9/2001	. 1.11	2.07	ND	+22.4	18.0
MW-2	4/30/2001	1.25	2.12	ND	+346.0	20.1
MW-2	8/7/2001	0.79	2.12	ND	+286.9	22.5
MW-2	10/22/2001	1.25	2.18	ND	+135.6	23.0
MW-2	3/19/2002	0.55	1.96	ND	+4.0	24.28
MW-2	5/22/2002	1.02	1.75	ND	+178	24.13
MW-2	8/27/2002	2.26	2.16	ND	+153	24.38
MW-2	11/1/2002	1.55	1.91	ND	+90.8	23.40
MW-2	3/18/2003	1.50	2.08	ND	+128	23.3
MW-2	5/14/2003	0.70	1.96	ND	+63	22.5

Table C-4 Historical Summary of Field Monitoring Results - UST Site 2459

NA/_II	Dota	Dissolved Oxygen	Electrical Conductivity (mS/cm)	Ferrous Iron (mg/L)	Oxidation- Reduction Potential (mV)	Water Temperature (°C)
Well	Date	(mg/L)	<u> </u>			
MW-2	8/25/2003	0.94	2.03	ND ND	+187	26.35
MW-2	11/12/2003	1.46	1.86	ND ND	+350	
MW-2	3/15/2004	2.40	2.39	ND ND	+259 +255	24.58 23.53
MW-2	5/20/2004	2.03	2.36	ND ND	+255	25.02
MW-2	8/18/2004	0.83	2.26 2.16	ND ND	-134	25.40
MW-2	11/15/2004	2.70		ND ND	+39	23.33
MW-2	2/28/2005	2.99	1.89	ND ND	-212	20.03
MW-2	4/26/2005	0.76	2.27			
MW-2	8/25/2005	0.46	1.91	ND ND	-50	26.45
MW-2	11/1/2005	0.66	2.24	ND	+6	27.02
MW-3	7/23/1998	1.05	1.82	ND	+181	23.4
MW-3	4/24/2000	0.78	1.66	ND ND	+180	21.4
MW-3	8/31/2000	2.26	1.72	ND	+168.4	22.06
MW-3	2/28/2005	NA	NA	NA	NA NA	NA
MW-3	4/24/2005	NA	NA	NA	NA	NA
MW-4	7/23/1998	3.3	1.78	ND	+142	23
MW-4	10/14/1998	0.37	1.73	ND	+190	20.4
MW-4	2/15/1999	0.55	1.75	ND	+90	19.4
MW-4	5/10/1999	0.84	1.84	ND	+156	22.4
MW-4	8/2/1999	1.75	1.82	ND .	+130	24.4
MW-4	10/19/1999	1.57	1.78	ND	+164	19.3
MW-4	2/15/2000	1.21	2.00	ND	+214	21.1
MW-4	4/24/2000	1.87	1.68	ND	+155	21.3
MW-4	8/25/2000	1.31	1.97	NM	+208.9	24.32
MW-4	11/22/2000	3.63	2.87	ND	+64.6	16.53
MW-4	3/9/2001	1.47	3.07	ND	+207.6	14.3
MW-4	4/30/2001	3.08	3.23	ND	+346.5	21.6
MW-4	8/7/2001	2.08	3.12	ND ND	+313.9	24.3
MW-4	10/22/2001	7.27	3.08	ND	+265.9	21.8
MW-4	3/19/2002	0.70	1.98	ND '	-24.0	22,33
MW-4	5/22/2002	1.07	1.59	ND	+181	22.41
MW-4	8/27/2002	1.91	1.84	ND	+132	23.78
MW-4	11/1/2002	2.31	1.59	ND	+190.3	22.36
MW-4	3/17/2003	2.45	1.48	ND	. +296	22.2
MW-4	5/14/2003	1.67	1.48	ND	+168	21.3
MW-4	8/25/2003	0.82	1.78	ND	+213	22.62
MW-4	11/12/2003	3.10	1.82	ND ND	+343	22.41
MW-4	3/15/2004	1.56	2.47	ND	+284	21.97
MW-4	5/20/2004	1.96	2.91	ND .	+237	21.90
MW-4	8/19/2004	1.48	2.83	ND	+388	22.51
MW-4	11/15/2004	1.88	2.31	1.5	-175	20.75
MW-4	3/1/2005	2.36	2.09	ND	+79	21.15
MW-4	4/26/2005	0.40	2.67	ND	-91	23.09
MW-4	8/25/2005	0.74	2.47	ND	-114	24.97
MW-4	11/1/2005	2.18	2.71	ND	+63	24.53
MW-5	7/23/1998	1.3	1.4	ND -	+158	23
MW-5	10/14/1998	0.28	1.58	ND	+154	17.4
MW-5	2/15/1999	0.52	1.66	ND	+85	19.6
MW-5	5/10/1999	0.85	2.11	ND	+152	22.7

Table C-4 Historical Summary of Field Monitoring Results - UST Site 2459

		Dissolved Oxygen	Electrical Conductivity	Ferrous Iron	Oxidation- Reduction Potential	Water Temperature
Well	Date	(mg/L)	(mS/cm)	(mg/L)	(mV)	(°C)
MW-5	8/2/1999	1.53	1.95	ND ND	+135	21.7
MW-5	10/19/1999	2.47	1.77	ND ND	+158	19.7
MW-5	2/15/2000	1.95	3.10	ND	+173	21.5
MW-5	4/24/2000	2.39	1.75	ND	+158	20.3
MW-5	8/25/2000	1.55	1.86	ND	+152.8	23.71
MW-5	11/22/2000	2.59	1.67	ND	+31.8	19.84
MW-5	3/9/2001	1.08	1.59	ND	+192.4	13.6
MW-5	4/30/2001	2.83	1.56	ND	+327.8	20.3
MW-5	8/7/2001	2.27	1.42	ND	+417.1	23.5
MW-5	10/22/2001	7.03	1.40	ND	+243.8	20.6
MW-5	3/19/2002	2.50	1.28	ND	-16.0	21.47
MW-5	5/22/2002	1.65	1.19	ND	+230	22.24
MW-5	8/27/2002	2.61	1.47	ND	+131	24.11
MW-5	11/1/2002	5.29	1,21	ND	+171.8	22.77
MW-5	3/17/2003	5.03	1.39	ND	+181	22.2
MW-5	5/14/2003	1.36	1.36	ND	. +118	21.2
MW-5	8/25/2003	5.30	1.236	ND	+198	23.30
MW-5	11/12/2003	2.62	1.328	ND	+279	21.99
MW-5	3/15/2004	0.09	1.66	ND	+263	22.00
MW-5	5/20/2004	4.10	2.50	ND	+253	21.33
· MW-5	8/19/2004	1.95	1.75	ND	+383	22.55
MW-5	11/15/2004	2.42	1.58	ND	-31	22.84
MW-5	3/1/2005	3.90	1.42	ND	+82	21.87
MW-5	4/26/2005	0.46	1.75	ND	-84	22.91
MW-5	8/25/2005	2.28	1.45	ND	-22	25.65
MW-5	11/1/2005	2.79	1.67	ND	+59	24.65
OW-1	7/23/1998	0.17	1.91	ND	÷68	23.7
OW-1	10/14/1998	0.31	2.15	0.4	+67	18.5
OW-1	2/15/1999	0.03	2.15	1.4	+21	16.9
OW-1	5/10/1999	0.66	2.09	1.6	+37	22.1
OW-1	8/2/1999	0.63	2.07	. 2	-78	19.1
OW-1	10/19/1999	0.6	2.09	3	-45	22.7
OW-1	2/15/2000	1.22	2.39	ND	-50	14.9
OW-1	4/24/2000	0.39	2.10	3.2	-31	.19.2
OW-1	8/25/2000	1.26	1.33	3.0	-142.8	21.11
OW-1	11/22/2000	3.27	1.54	3.6	-135.2	18.33
OW-1	3/9/2001	0.86	1.45	3.6	-107.6	13.5
OW-1	4/30/2001	0.49	1.40	4.4	-89.7	19.4
OW-1	8/7/2001	0.44	1.28	3.6	-56.4	23.8
OW-1	10/22/2001	0.61	1.28	ND	-82.1	24.0
OW-1	3/19/2002	0.21	0.94	ND	-119.0	30.16
OW-1	5/22/2002	0.81	0.87	1.8	+110	28.75
OW-1	8/27/2002	2.13	1.14	3.5	-19	29.81
OW-1	11/1/2002	2.14	1.08	2.0	-121.2	29.60
OW-1	11/1/2002	1.80	1.40	2.5	-83.7	27.60
OW-1	3/18/2003	1.20	1.14	2.0	+117	31.9
OW-1	5/14/2003	1.13	1.30	2.6	+48	31.4
OW-1	8/25/2003	0.80	1.232	1.2	+44	32.18
OW-1	11/13/2003	2.40	1.054	3.0	+280	29.35

Table C-4 Historical Summary of Field Monitoring Results - UST Site 2459

Well	Date	Dissolved Oxygen (mg/L)	Electrical Conductivity (mS/cm)	Ferrous Iron (mg/L)	Oxidation- Reduction Potential (mV)	Water Temperature (°C)
OW-1	3/16/2004	9.83 <sup>a</sup>	1.66	ND	+243	30,20
OW-1		15.38 <sup>a</sup>	1.69	ND ND	+258	30.27
	5/20/2004					
OW-1	8/19/2004	10.9 <sup>a</sup>	1.50	ND ND	+387	28.92
OW-1 OW-1	11/15/2004 2/28/2005	2.56 1.48	0.003 1.23	ND ND	-85 -58	29.47 26.34
OW-1	4/26/2005	0.85	1.80	ND ND	-56 -110	26.59
						29.52
OW-1	8/25/2005	4.67	1.43	ND ND	+6	
OW-1	10/31/2005	3.21	1.63	ND 1.0	+34	28.52
OW-2	7/23/1998	0.15	1.3	1.2	<u>-16</u>	24
OW-2	10/14/1998	0.89	1.48	1 1	+22	19.3 19.7
OW-2	2/15/1999	1.87	1.34 1.54	1.6	-43 +37	22.2
OW-2 OW-2	5/10/1999	0.54 0.65	1.54	1.4	-164	21.3
OW-2	8/2/1999 10/19/1999	0.05	1.48	2.1	-105	16.4
OW-2	2/15/2000	1,71	1.90	ND	-26	15.2
OW-2	4/24/2000	0.39	1.51	2.4	- <u>-20</u> -58	19.7
OW-2	8/25/2000	0.94	1.53	3.4	-136	21.88
OW-2	11/22/2000	1.68	1.71	3.2	-127.6	16.92
OW-2	3/9/2001	1.23	1.53	2.6	-141.0	11.8
OW-2	4/30/2001	0.74	1.54	1.4	-48.5	18.2
OW-2	8/7/2001	0.68	1.53	1.7	-9.8	22.5
OW-2	10/22/2001	1.13	1.59	4	-75.4	22.0
OW-2	3/19/2002	0.30	1.39	2.0	-150.0	25.96
OW-2	5/21/2002	0.46	1.22	2.1	÷100	26.38
OW-2	8/28/2002	2.42	1.53	2.6	+59	26.85
OW-2	3/18/2003	2.68	1.28	1.6	+83	29.6
OW-2	5/14/2003	0.58	1.28	1.8	+88	28.4
OW-2	8/25/2003	1.14	1.385	2.2	-32	29.72
OW-2	11/13/2003	1.06	1.327	3.0	+254	25.87
OW-2	3/16/2004	10.93 <sup>a</sup>	2.22	ND	+245	27.58
OW-2	5/20/2004	12.1ª	2.01	ND	+268	21.64
OW-2	8/19/2004	14.58 <sup>a</sup>	1.83	ND ND	+369	28.92
OW-2	11/15/2004	4.30	1.78	ND ND	-40	28.57
OW-2	2/28/2005	0.77	1.67	ND ND	-118	24.65
OW-2	4/26/2005	1.13	2.31	ND ND	-163	24.90
OW-2	8/25/2005	6.11	1.76	ND ND	+4	28.34
OW-2	10/31/2005	3.21	1.63	ND ND	+34	28.52
OW-2	7/23/1998	0.58	2.79	ND ND	+112	24.2
OW-3	10/14/1998	1.34	2.72	ND ND	+190	18.5
OW-3	2/15/1999	0.78	2.7	ND ND	+144	19.4
OW-3	5/10/1999	0.62	2.36	ND ND	+169	22.7
OW-3	8/2/1999	0.6	2.74	ND ND	+104	25.7
OW-3	10/19/1999	0.85	2.44	ND ND	+110	23
OW-3	2/15/2000	1.39	2.42	ND ND	+108	21.1
OW-3	4/24/2000	1.10	1.80	ND'	+141	22.8
OW-3	8/25/2000	2.80	2.47	ND	+104.2	22.02
OW-3	11/22/2000	1.71	2.87	ND	-14.2	20.6
OW-3	3/9/2001	1.32	3.36	ND	+76.6	13.6

Table C-4 Historical Summary of Field Monitoring Results - UST Site 2459

		Dissolved Oxygen	Electrical Conductivity	Ferrous Iron	Oxidation- Reduction Potential	Water Temperature
Well	Date	(mg/L)	(mS/cm)	(mg/L)	(mV)	(°C)
OW-3	4/30/2001	2.76	1.90	- ND	+346.6	18.9
OW-3	8/7/2001	3.05	2.69	ND	+390.3	22.0
OW-3	10/22/2001	2.24	2.64	ND	+50.0	23.1
OW-3	3/19/2002	0.34	2.16	ND	+81.0	24.57
OW-3	5/22/2002	1.29	1.90	ND	+173	26.85
OW-3	8/28/2002	2.51	2.27	ND	+104	29.99
OW-3	11/1/2002	1.35	2.08	ND	+12.1	25.33
OW-3	3/18/2003	0.96	1.89	ND	+106	26.2
OW-3	5/14/2003	1.36	1.39	ND ND	+116	26.1
OW-3	8/25/2003	0.96	1.391	ND	+202	28.19
OW-3	11/13/2003	3.64	1.334	ND	+379	26.87
OW-3	3/15/2004	16.52 <sup>a</sup>	1.90	ND	+240	25.68
OW-3	5/20/2004	18.62 <sup>a</sup>	1.72	ND	+259	25.68
OW-3	8/19/2004	19.81 <sup>a</sup>	1.69	ND	+383	25.48
OW-3	11/15/2004	9.65	1.50	ND	-53	27.78
OW-3	2/28/2005	9.30	1.41	ND	+30	24.24
OW-3	4/26/2005	2.28	2.01	ND	-137	22.08
OW-3	8/25/2005	18.66 <sup>b</sup>	1.80	ND	+29	30.70
OW-3	11/1/2005	11.31	1.99	ND	+88	29.40
RW-1	7/23/1998	0.4	1.52	4.6	-32	23.6
RW-1	10/14/1998	0.34	1.63	2.8	-10	18.3
RW-1	2/15/1999	4.78	1.7	2.7	-0.03	18.9
RW-1	5/10/1999	0.58	1.56	2.8	-0.07	22.5
RW-1	8/2/1999	0.58	1.56	3	-136	15.4
RW-1	10/19/1999	0.47	1.46	2.4	-101	15.5
RW-1	2/15/2000	1.12	NM	3,2	-20	NM
RW-1	4/24/2000	0.47	1.46	3.2	-42	19.9
RW-1	8/31/2000	0.24	1.29	1.4	-94.6	22.45
RW-1	11/22/2000	2.29	1.46	1.8	-168.1	19.25
RW-1	3/9/2001	9.16	1.30	3.2	+64.5	14.4
RW-1	4/30/2001	0.53	1.29	1.2	-43.5	21.8
RW-1	8/7/2001	0.88	1.16	0.3	+145.6	25.7
RW-1	10/22/2001	0.71	1.19	1	-67.9	25.0
RW-1	3/19/2002	0.43	0.97	ND	-34.0	29.85
RW-1	5/22/2002	2.02	0.87	ND	+166	29.43
RW-1	8/28/2002	2.99	1.19	ND	+109	32.41
RW-1	11/1/2002	4.90	1.14	ND ND	+263.9	31.84
RW-1	3/17/2003	4.50	1.19	ND ND	+192	32.0
RW-1	5/14/2003	6.16	1.08	ND ND	+106	31.6
RW-1	8/25/2003	4.08	1.09	0.8	+24	34.62
RW-1	11/13/2003	4.06	1.071	0.1	+276	30.02
RW-1	3/16/2004	4.37	1.27	ND ND	+259	31.29
RW-1	5/21/2004	3.96	1.78	ND ND	+259	27.75
RW-1	8/19/2004	2.82	1.63	ND ND	+386	31.96
RW-1	11/15/2004	3.36	0.002	ND ND	-88	29.68 25.55
RW-1 RW-1	3/1/2005 4/26/2005	2.79 0.52	12.29 1.30	ND ND	-94 -147	28.15
				+		
RW-1	8/25/2005	8.93	1.11	ND ND	+12	28.68
RW-1	10/31/2005	2.92	1.28	ND	+23	30.88

Table C-4
Historical Summary of Field Monitoring Results - UST Site 2459

					Oxidation-	
	]	Dissolved	Electrical		Reduction	Water
		Oxygen	Conductivity	Ferrous Iron	Potential	Temperature
Well	Date	(mg/L)	(mS/cm)	(mg/L)	(mV)	(°C)

a - The team discovered prior to sampling that ORC socks were present in the well. The ORC socks were pulled just prior to sampling. The field results for these wells are most likely impacted by the ORC.

mg/L - milligrams per liter

mS/cm - millisiemens per centimeter

mV - millivolts

NA - not analyzed

ND - not detected

UST - underground storage tank

° C - degrees Celsius

b - The dissolved oxygen reading for OW-3 is most likely anomalous for the August sampling event. Small air bubbles were forming on the membrane during analysis.

Table 1 Fluid Level Measurements - UST Site 2459 - February Through October 2005

Well No.	Date	Wellhead Elevation (ft msl)	Depth to Top of Screen (ft bgs)	Total Depth (ft bgs)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Corrected Groundwate Elevation (ft msl)
MW-1	2/28/2005	114.42	24.50	58.10	36.81	ND	0.00	77.61
	4/26/2005	114.42	24.50	58.10	34.90	ND	0.00	79.52
	8/22/2005	114.42	24.50	58.10	35.69	ND	0.00	78.73
	10/31/2005	114.42	24.50	58.10	36.30	ND	0.00	78.12
MW-2	2/28/2005	107.50	25.00	54.50	30.16	ND	0.00	77.34
-	4/26/2005	107.50	25.00	54.50	28.39	ND	0.00	79.11
	8/22/2005	107.50	25.00	54.50	29.01	ND	0.00	78.49
	10/31/2005	107.50	25.00	54.50	29.59	ND	0.00	77.91
MW-3	2/28/2005	107.59	25.00	54.57	30.25	ND	0.00	77.34
	4/26/2005	107.59	25.00	54.57	28.59	ND	0.00	79.00
	8/22/2005	107.59	25.00	54.57	29.16	ND	0.00	78.43
	10/31/2005	107.59	25.00	54.57	29.75	ND	0.00	77.84
MW-4	2/28/2005	106.57	26.00	41.00	29.19	ND	0.00	77.38
	4/26/2005	106.57	26.00	41.00	27.65	ND	0.00	78.92
	8/22/2005	106.57	26.00	41.00	28.19	ND	0.00	78.38
	10/31/2005	106.57	26.00	41.00	28.78	ND	0.00	77.79
MW-5	2/28/2005	106.22	51.50	61.50	29.40	ND	0.00	76.82
	4/26/2005	106.22	51.50	61.50	27.78	ND	0.00	78.44
	8/22/2005	106.22	51.50	61.50	28.34	ND	0.00	77.88
	10/31/2005	106.22	51.50	61 <i>.</i> 50	28.97	ND	0.00	. 77.25
RW-1	2/28/2005	107.87	14.50	55.00	30.28	ND	0.00	77.59
*	4/26/2005	107.87	14.50	55.00	28.54	ND	0.00	79.33
	8/22/2005	107.87	14.50	55.00	28.43	ND	0.00	79.44
	10/31/2005	107.87	14.50	55.00	29.82	ND	0.00	78.05
OW-1	2/28/2005	108.02	25.00	44.61	30.57	ND	0.00	77.45
	4/26/2005	108.02	25.00	44.61	28.78	ND	0.00	79.24
	8/22/2005	108.02	25.00	44.61	29.43	ND	0.00 .	78.59
	10/31/2005	108.02	25.00	44.61	30.03	ND	0.00	77.99
OW-2	2/28/2005	107.57	25.00	43.85	30.15	ND	0.00	77.42
	4/26/2005	107.57	25.00	43.85	28.41	ND	0.00	79.16
	8/22/2005	107.57	25.00	43.85	29.03	ND	0.00	78.54
	10/31/2005	107.57	25.00	43.85	29.62	ND	0.00	77.95
OW-3	2/28/2005	108.39	25.00	44.65	30.95	ND	0.00	77.44
	4/26/2005	108.39	25.00	44.65	29.13	NĐ	0.00	79.26
	8/22/2005	108.39	25.00	44.65	29.79	ND	0.00	78.60
	10/31/2005	108.39	25.00	44.65	30.38	ND	0.00	78.01

bgs - below ground surface

ft - feet

. msl - mean sea level

ND - not detected

UST - underground storage tank

Summary of Groundwater Analytical Results - UST Site 2459 - February Through November 2005 Table 2

Method			8015B - TPH	EPA 8021B	EPA 8021B	EPA 8021B	EPA 8021B	RSK175	EPA 310.1	EPA 353.3 Nitrate/Nitrite	EPA 300.0
4 1 1 0 1 W			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	Methane	(as CaCO <sub>3</sub> )	as N	Sulfate
Analyte			(ma/L)	(na/L)	(µg/L)	(hg/L)		(µg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample									
Code	Sampled	Number	9000	2 2 2	11 80	. c		 ec	402	22.1	89.5
1-MM-1	03/01/05	102910-0129	0.090.0	0.00	0,0,0	0.0	151	3 U	323	63.4	121
MIVV-I	04/26/05	102910-0167	0 000	0 2	0.7.0	0.50	1.5 U	3 0	327	15.6	32.9
NW-1	11/01/05	102910-0197	0.080.0	200	0.5.11	050	150	3 U	314	52.7	65,3
MAINT-1	02/28/05	102010-0219	0.000	0.5 U	0.5 U	0.5 U	1.5 U	3.0	374	48.7	74.9
MM-2	04/26/05	102010-0153	0.11	03.1	0.8 U	U 6:0	1.6 U	3 U	407	52.5	60.9
WW-2	08/25/05	102910-0204	0.02 J	0.2 UJ	0.5 U	0.5 U	ر 6'0	3 U	411	43.4	59.4
MW.2	11/01/05	102010-0222	0.096 U	0.5 U	L	0.5 U	1.5 U	3 0	385	49.3	59.6
MW-4	03/01/05	102910-0130	0.096 U	0.5 UJ	_	0.5 UJ	1.5 UJ	3 0	520	2.5	329
MW-4	04/26/05	102910-0169	0.1 U	0.5 U	0.5 U	0.6 U	1.5 U	3 U	548	3.8	552
MW-4	08/25/05	102910-0205	U 960.0	0.2 UJ	L	0.5 U	1 ا	3 U	543	17	701
MW-4	08/25/05	102910-0206 (Dun)	U 360.0	0.5 U		0.5 U	1.5 U	NA	NA	NA	NA
MW-4	11/01/05	102910-0223	U 960.0	0.5 U	_	0.5 U	1.5 U	3 0	517	4.8	809
MW-5	03/01/05	102910-0131	0.01 J	0.5 U	0.5 U	0.5 U	1.5 U	3 U	390	12.7	127
MW-5	04/26/05	102910-0168	0.03 კ	0,5 U	0.5 U	0.6 U	1.5 U	3 U	398	13	118
MW-5	08/25/05	102910-0207	0.03 J	0.2 UJ	0.5 U	0.5 U	0.8 J	3 U	377	12.8	126
MW-5	11/01/05	102910-0224	บ 960.0	0.5 U	0.5 U	0.5 U	1.5 U	3 U	377	12.4	127
OW-1	02/28/05	102910-0122	2.3	0.2 J	1.7 U	0.5 U	3 0	3 0	316	4.1	43.6
OW-1	02/28/05	102910-0123 (Dup)	2.5	0,1 J	0.5 U	0.5 U	1.5 U	NA	NA	NA	NA.
OW-1	04/26/05	⊢	2.72	0.4 J	2 U	O 6.0	4.1 U	3 0	463	4	61.8
OW-1	08/25/05	L	1.9	0.4 UJ	0.9 U	0.5 U	1 ا	3 0	495	2	44.3
OW-1	10/31/05	L	2.78	0.5 U	0.5 U	0.5 U	1.5 U	3 U	482	1.2	24.2
OW-2	02/28/05	102910-0121	3.08	6:0	1.3 U	0.5 U	1.5 U	7.5	490	4	71,2
OW-2	04/26/05	102910-0163	3.31	0.5 J	0.8 U	0.7 U	1.5 U	3 0	422	17.5	13/
OW-2	04/26/05	102910-0164 (Dup)	3.29	9.0	0.5 U	0.7 U	1.5 U	NA	¥N.	NA N	N.
OW-2	08/22/05	102910-0202	2.59	0.6 U	0.5 U	0.5 U	1 ل	3 0	494	4.6	118
OW-2	11/01/05	102910-0220	3,61	0.2 J	0.5 U	0.5 U	1.5 U	220	480	2.3	101
OW-3	02/28/05	102910-0124	2.04	0.3 J	1.8 U	1 0.5 U	1.5 U	3 0	478	2.1	93
OW-3	04/26/05	102910-0162	1.1	0.3 J	0.5 U	0.9 U	1.5 U	3 0	346	37	115
OW-3	08/25/05	102910-0203	0.53	0.3 UJ	0.5 U	0.5 U	٦ ا	3 0	294	73.6	88.9
OW-3	11/01/05	102910-0221	0.55	0.5 U	0.5 U	0.5 U	1.5 U	3 0	272	63.5	/8.4
RW-1	03/01/05	102910-0128	2.51	0.5 U	0.5 U	0.5 U	1.5 U		210	6.0	142
RW-1	04/26/05	102910-0166	0.64	0.2 J	0.5 U	0.7 U	1.5 U	3 0	233	-	44.8
RW-1	08/25/05		0.79	0.3 UJ	1.8 U	0.5·J	3.6	3 0	293	0.61	28.8
RW-1	10/31/05	L	9.0	0.5 U	0.5 U	0.5 U	1.5 U	3 (	273	0.18 J	24.2

Document Control Number EAR-0007 Revision 0 - January 15, 2006

https://extranet.shawgrp.com/sites/Pendleton/EAR/Shared Documents/Final Annual Summary GrounBagerduchidoring Report - 2005, UST 2459/Table 2 Results.xls

Summary of Groundwater Analytical Results - UST Site 2459 - February Through November 2005 Table 2

Method			8015B - TPH	EPA 8021B	EPA 8021B	EPA 8021B	EPA 8021B	RSK175	EPA 310.1	EPA 353.3 Nitrate/Nitrite	EPA 300.0
Analyte			Diesel	Benzene	Ethylbenzene	Toluene	Xylenes (total)	Methane	(as CaCO <sub>3</sub> )	as N	Sulfate
Unit			(mg/L)	(µg/L)	(µg/L)	(hg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Location	Date	Sample									
Code	Sampled	Number									
Equipment Rinsate	02/28/05	102910-0126	0.008 J	0.5 U	0.5 U	0.5 U	1.5 U	NA	NA	NA	NA
Equipment Rinsate	03/01/05	102910-0132	0.096 U	0.2 J	1.9 U	0.5 U	3.6 U	NA	NA	NA	NA
Equipment Rinsate	04/26/05	102910-0170	0,1 U	0.5 U	0.5 U	0.6 U	1.5 U	NA	NA	NA	NA
Equipment Rinsate	08/52/02	102910-0209	0.096 U	1 E 0	2	0.5 U	1.5 U	NA	NA	NA	NA
Equipment Rinsate	10/31/05	102910-0217	U 960.0	0.5 U	0.5.0	0.5 U	1.5 U	NA	NA	NA	NA
Equipment Rinsate	11/01/02	102910-0225	0.096 U	0.5 U	0.5 U	0.5 U	1.5 U	NA	NA	NA	NA
Trip Blank	90/87/70	102910-0120	NA	U 5.0	1.9 U	0.5 U	1.5 U	NA	AN	AN	NA
Trip Blank	03/01/05	102910-0127	NA	n 3.0	CO 5.0	0.5 UJ	1.5 UJ	NA	NA	NA N	NA
Trip Blank	04/26/05	102910-0160	NA	0.5 U	0.7 U	0.8 U	1.5 U	NA	NA	NA	NA
Trip Blank	08/22/02	102910-0199	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA	NA	NA	NA
Trip Blank	10/31/05	102910-0218	NA	0.5 U	0.5 U	0.5 U	1.5 U	NA	NA	NA	NA
Trip Blank	11/01/05	102910-0226	NA	0.5 U	0.5 U	0.5 U	1,5 U	NA	NA	NA	NA

Dup - duplicate

EPA - U.S. Environmental Protection Agency

J - estimated

mg/L - milligrams per liter

NA - not analyzed

UST - underground storage tank µg/L - micrograms per liter U - not detected above, or equal to, the stated reporting limit

Table 3 Summary of Field Monitoring Results - UST Site 2459 - February Through November 2005

387-11	D-1-	Dissolved Oxygen	Electrical Conductivity	Ferrous Iron	Oxidation-Reduction Potential	Water Temperature
Well	Date	(mg/L)	(mS/cm)	(mg/L)	(mV)	(°C)
MW-1	3/1/2005	3.43	1.55	ND	+39	21.12
	4/26/2005	0.70	2.14	ND NB	-95	23.19
	8/24/2005	5.04	2.14	ND ND	-6	25.23
LDALO	11/1/2005	5.21	2.43	ND	+44	23.25
MW-2	2/28/2005	2.99	1.89	ND	+39	23.33
	4/26/2005	0.76	2.27	ND	-212	20.03
	8/25/2005	0.46	1.91	ND	-50	26.45
	11/1/2005	0.66	2.24	ND	+6	27.02
MW-4	3/1/2005	2.36	2.09	ND	+79	21.15
	4/26/2005	0.40	2.67	ND	-91	23.09
	8/25/2005	0.74	2.47	ND	-114	24.97
	11/1/2005	2.18	2.71	ND	+63	24.53
MW-5	3/1/2005	3.90	1.42	ND	+82	21.87
	4/26/2005	0.46	1.75	ND	-84	22.91
	8/25/2005	2.28	1.45	ND	-22	25.65
	11/1/2005	2.79	1.67	ND	+59	24.65
RW-1	3/1/2005	2.79	12.29	ND	-94	25.55
•	4/26/2005	0.52	1.30	ND	-147	28.15
	8/25/2005	8.93	1.11	ND	+12	28.68
	10/31/2005	2.92	1.28	ND	+23	30.88
OW-1	2/28/2005	1.48	1.23	ND	-58	26.34
	4/26/2005	0.85	1.80	ND	-110	26.59
	8/25/2005	4.67	1.43	ND	+6	29.52
	10/31/2005	3.21	1.63	ND	+34	28.52
OW-2	2/28/2005	0.77	1.67	ND	-118	24.65
	4/26/2005	1.13	2.31	ND	-163	24.90
	8/25/2005	6.11	1.76	ND.	+4	28.34
	10/31/2005	3.21	1.63	ND	+34	28.52
OW-3	2/28/2005	9.30	1.41	ND	+30	24.24
	4/26/2005	2.28	2.01	ND	-137	22.08
	8/25/2005	18.66 <sup>1</sup>	1.80	ND	+29	30.70
	11/1/2005	11.31	1.99	ND	+88	29.40

<sup>1 -</sup> The dissolved oxygen reading for OW-3 is most likely anomalous for the August sampling event. Small air bubbles were forming on the membrane during analysis.

mS/cm - millisiemens per centimeter

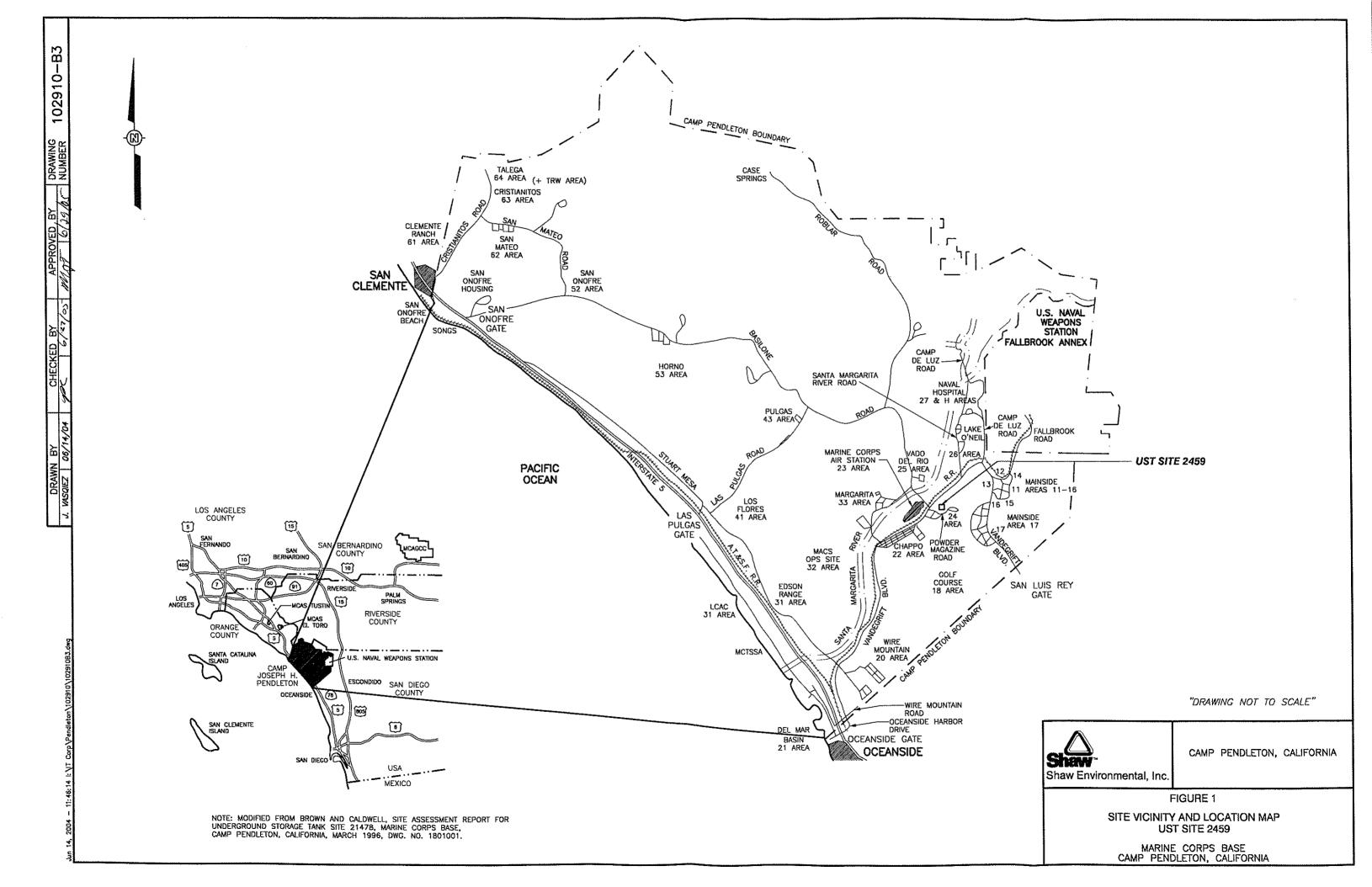
mV - millivolts

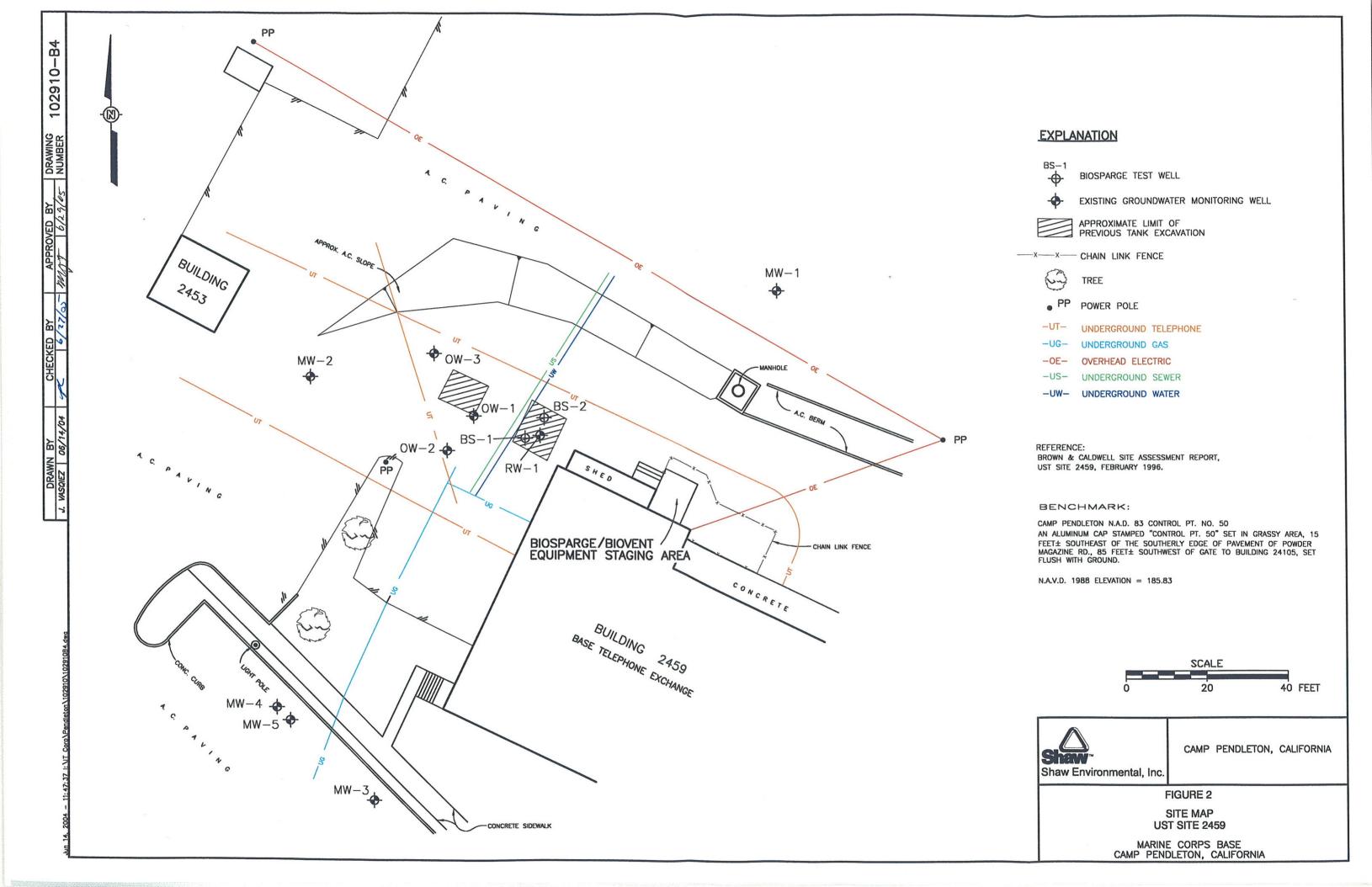
ND - not detected

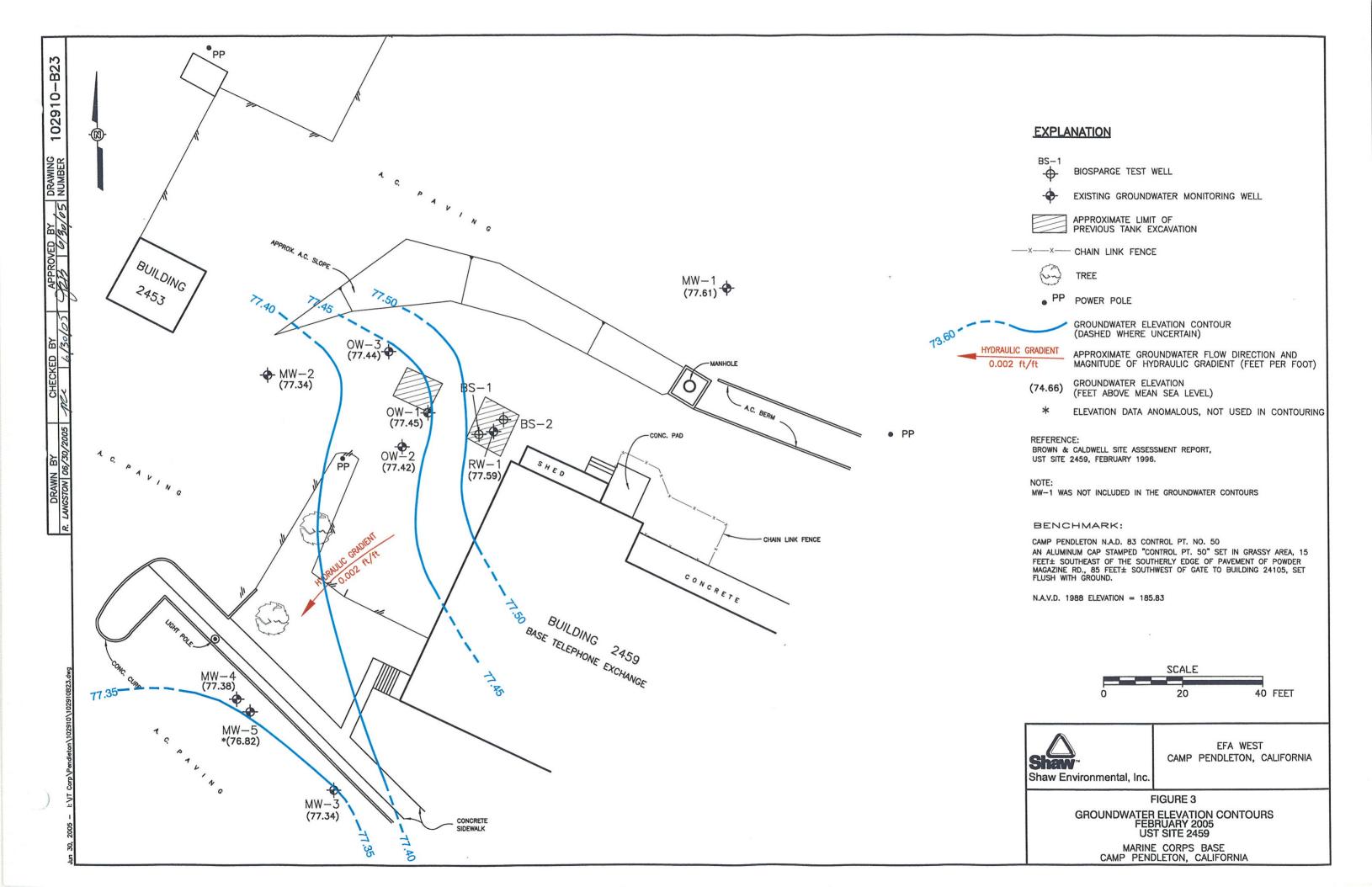
UST - underground storage tank

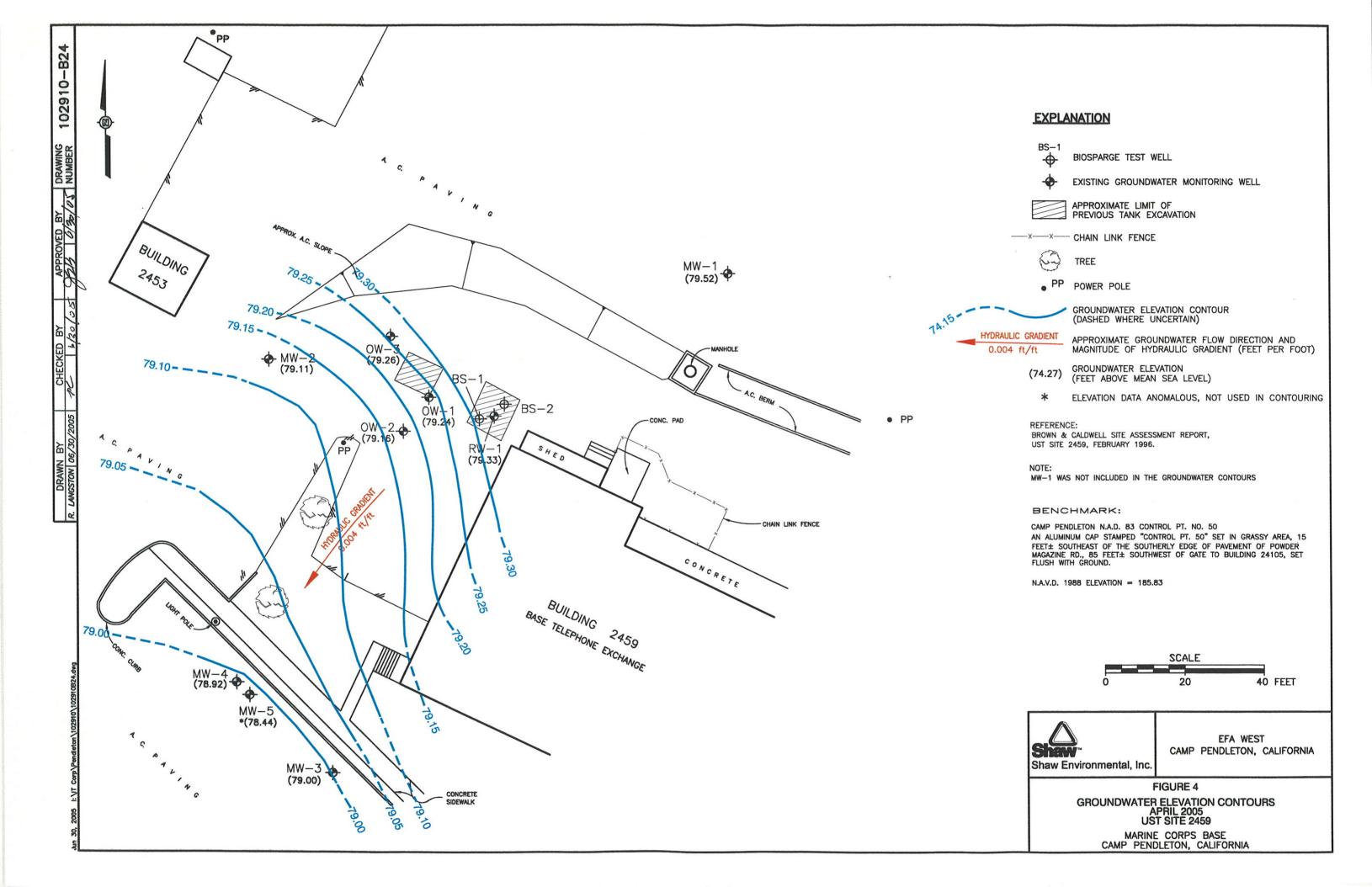
mg/L - milligrams per liter

<sup>°</sup> C - degrees Celsius









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